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JOURNAL OF EDUCATIONAL RESEARCH MONOGRAPHS  
B. R. BUCKINGHAM, Editor

No. 3

June, 1922

# The Iowa Spelling Scales

## Their Derivation, Uses, and Limitations

ERNEST J. ASHBAUGH  
Professor of School Administration  
and  
Assistant Director, Bureau of  
Educational Research  
OHIO STATE UNIVERSITY

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Bloomington, Illinois

*Pub. School*

8589

*Educ.*

4-10-1923

### **ACKNOWLEDGMENTS**

This study was undertaken as a direct service to the schools of the State of Iowa through the suggestion of Professor Ernest Horn, to whom I owe the greatest debt of gratitude for continuous encouragement and helpful criticism.

I wish to thank the superintendents, teachers and pupils who gave so freely of their time and effort in securing the spellings and also the Dean of the Graduate College and the Director of the Extension Division who financed from their budgets the collection and scoring of the data.

Acknowledgments are also made to Dean Russell, Associate Professor Lewis, and Dr. Harry A. Greene for their sympathetic counsel and assistance throughout the progress of the study.

E. J. A.

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## INTRODUCTION

The Iowa Spelling Scales have been extensively used. The relatively large number of words included in them and their freedom from excessive statistical manipulation have rightly commended them to practical workers. They have, however, been out of print for some time. Moreover, even those who are fortunate enough to possess the scales in their original form no doubt realize that they are capable of a more useful presentation.

Accordingly this monograph is offered for those who desire a complete representation of the scale in permanent form. The percents of correct spellings in each grade are given for each of the nearly 3,000 words of the scale. Nowhere else has such a detailed showing of the difficulty of the spelling of words been made.

An account is also given of the derivation of the scale; and this is no inconsiderable contribution. The reader will no doubt be impressed by the author's scientific attitude and by his unwillingness to compromise with his ideals of accuracy through adopting all-too-prevalent devices for smoothing out difficulties and then pretending that such difficulties do not exist.

We are glad to observe the position which Doctor Ashbaugh takes on the question of the degree of difficulty of the words which constitute the best testing material. In substance he says that the nearer they are to 50 percent accuracy for the grade in question the better. There has been a strong tendency among users of spelling tests to select words which were much too easy. This tendency has been fostered partly by the fact that the Ayres Scale lists for each grade only the words spelled by 50 percent or more of the children, and partly by the naive desire to see larger figures. Somehow one thinks more highly of a class average of 87 than of one of 46, although the latter may indicate a better performance.

The publication of the Iowa Spelling Scales in this form will place at the disposal of school people a far larger number of evaluated words than have hitherto been generally available. This richness of material will greatly enhance the usefulness of the scale. Duplicate lists can easily be made, and a prolonged program of testing can be carried on without the necessity of making allowance for practice effects. Moreover, the fact that the words of the scale are selected on the basis of frequency of use in correspondence renders the material particularly appropriate for teaching and drill purposes. In fact as a spelling book this monograph has high value. The appropriateness of the words is assured because of their frequent use in correspondence—that is, in the only situation where spelling ability is sure to be required—while the known difficulty of the words permits intelligent grading and distinctions in teaching emphasis.

B. R. BUCKINGHAM, *Editor*.





## SECTION I

### INTRODUCTION

#### FIELDS OF EXPERIMENTAL PEDAGOGY

The last two decades have witnessed a large amount of work in the field of experimental pedagogy. This has principally followed three general lines, namely, (1) the selection of subject matter, (2) the determination of efficient methods of teaching or learning, and (3) the formulation of more or less objective measures for checking the results.

The Committee on Economy of Time of the National Education Association through its three reports (1) has done a large amount of work in the selection of subject matter. These reports have challenged the attention of superintendents and the recommendations have been written into numerous courses of study. State Teachers' Associations have taken up the work; their committees have attacked the problem and in many cases have added something to this re-direction of education.

The determination of efficient methods of teaching and learning has appealed to psychologists and teachers. In laboratories and experimental schools much time and effort has been spent in gathering bit by bit the evidence for the different subjects. The experimental evidence in reading, writing, spelling, arithmetic, drawing, and music, and such conclusions as are warranted thereby, have been collected from the various schools and are presented by another committee in the Eighteenth Yearbook. (2) Further consideration will not be given to this field since it is not pertinent to the research in this monograph.

The effort in the third line has brought forth the large number of scales and tests now available. The measurement of progress requires an accurate means of measuring initial status. The comparison of one class with another, or of one school system with another, especially when the testing must be done by different persons, also requires a measuring instrument little influenced by different personalities. One of the goals of the makers of standardized tests and scales has been to obtain an objective measuring instrument as little disturbed as possible by the individual using it.

Perhaps in no subject has there been more experimental work done than in spelling. The subject lends itself to careful study in the fields already designated. The investigations which we wish to review briefly as an introduction to the present study have dealt with two problems: (1) the determination of the vocab-

ulary which should be included in children's spelling, and (2) the derivation of objective scales for the measurement of spelling ability.

#### STUDIES IN THE DETERMINATION OF VOCABULARY

An examination of the tabulation<sup>1</sup> shown in Table I will reveal the fact that the sources investigated for the selection of spelling vocabularies fall into four general groups; (1) occurrence in reading vocabulary, (2) occurrence in school lessons or classroom work, (3) occurrence in children's compositions, and (4) occurrence in correspondence, usually that of adults.

The first attempt to compare carefully the spelling work of different school systems seems to have been reported by Rice (14) in 1897. In 1895 he sent out a list of fifty words to superintend-

TABLE I. CONSPECTUS OF VOCABULARY STUDIES.

AUTHOR	DATE	SOURCE OF MATERIAL
Knowles, Rev. J. (3)	1904	Passages from the Bible and various authors
Eldridge, B. C. (4)	1911	Articles of Sunday Newspapers
Ayres, L. P. (5)	1913	Personal and Business Letters
Jones, W. F. (6)	1913	Children's Composition
Cook, W. A. and O'Shea, M. V. (7)	1914	Family Correspondence
Nicholson, Anne (8) (Editor)	1914	Selected by teachers and supervisors from daily lessons
New Orleans Public School List (9)	1916	Children's School Work
Kansas City Public School List (10)	1916	Selected from pupil's misspelled words and teachers' judgment of words pupils should know how to spell
Houser, J. D. (11)	1916	Letters of farmers
Anderson, W. N. (12)	1917	Written correspondence of Iowa People
Horn, E. (13)	1918	Correspondence of Bankers to Bankers

ents in various sections of the United States. Twenty responded sending in the work of more than 16,000 children. The results of the test showed enormous variations, but a two months' tour spent in visiting the various schools convinced him that much of this variation was due to the peculiar manner in which the examinations had been conducted. Also careful pronunciation of several of the words would have given a clue to the spelling.

<sup>1</sup>This tabulation presents only the more important studies from the different sources. For a more complete list see Anderson, W. N. "The determination of a spelling vocabulary based upon written correspondence." (Dissertation, University of Iowa, 1917.)

For these reasons the results of the test were considered unsatisfactory.

A second test involving fifty words in grades four and five, and seventy-five words in grades six, seven, and eight in sentence-dictation form, was given to 13,000 children in eight school systems. In these cases the tests were given under his personal direction and checked by his assistants.

Dr. Rice made no statement in his report regarding the manner of selecting his words except that in the second test "special care was exercised to omit words whose pronunciation would tell the secret" (15) of the correct spelling.

Too much credit can scarcely be given Rice for his pioneer efforts. He initiated the whole measurement movement. Two criticisms, however, may be directed against his work: (1) the words were not selected on the basis of those which children need to learn to spell; and (2) the words were of greatly varying difficulty but were given equal value in scoring. The best evidence in support of the first point is, that of the 77 words used in the second test, 15 do not occur among the 4,000 words of highest frequency in the combined results of the nine most extensive studies of correspondence.<sup>2</sup> These words are: almanac, ascending, changeable, conscientious, deceive, elegant, fatiguing, hopping, laughter, listened, praise, sensible, slipped, sweeping, whistling. Of these, six do not appear in any form, even the most simple.

Rice recognized that the material for spelling instruction should be selected in such a way as to eliminate unusual words. This is shown by two quotations: "The absurdities incident to the so-called 'natural method' were shown very clearly during one of my visits to a fifth-year class, when the pupils, who had studied the pine, were about to write a composition on the subject. In preparation, the spelling lesson of the day consisted of the following words: exogen, erect, cylindrical, conifer, irregular, indestructible, pins, resinous, and whorls." (16) His fourth recommendation concerning the course in spelling reads thus: "Precedence should be given to common words, while technical and unusual words should be taught incidentally." (17) However, he gave us no clue as to how the "common words" should be detected.

That Rice's words were of greatly varying difficulty was pointed out by Thorndike (18) who gives the relative frequency of mistakes within the same group of children for each of the forty-nine words taken by Dr. Rice to be equal measures of spell-

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<sup>2</sup> The results of this compilation have not been published. Access to the data was secured through the kindness of Dr. Horn.

ing ability. These forty-nine range from a frequency of forty-two errors to zero. Unfortunately, the table does not give the total number of children attempting the test, so it cannot be placed on a percentage basis.

The reader's attention is called to Table II. This table gives the frequency of error of fifth-grade children on five of Dr. Rice's words as found by Thorndike and the percent of error of fifth-grade children on the same words as shown by the Ayres scale and the present study.

TABLE II. DIFFERENCE IN DIFFICULTY OF FIVE WORDS REGARDED BY DR. RICE AS OF EQUAL DIFFICULTY.

Word	Frequency of Error Grade V—Thorndike	Percentage of Error Grade V—Ayres	Percentage of Error Grade V—Ashbaugh
necessary	42	58	77
disappoint	37	79	64
learn	3	12	14
because	1	6	6
picture	0	8	5

#### STUDIES IN DERIVATION OF SCALES

The studies intended to evaluate the words to be used in measuring spelling ability have been but two in number previous to this monograph.

*Buckingham.* (19) In 1913, Buckingham presented the educational world with the first spelling scale. He did preliminary testing with a list of 270 words selected from a much larger list of graded words used by the author in his own school. These had been selected by taking from five of the popular spelling books then in use, a vocabulary of 5,000 words agreed upon by two or more of the books, and then following two principles: (1) "that all of them should be sufficiently common to be in the speaking vocabulary of third-grade children," and (2) "that the spelling difficulty of many of them should be great enough to test the ability of eighth-grade children." (20)

These words were placed in sentences and dictated to grades three to eight. On the basis of the results, a group of 100 words were chosen which in general showed the following characteristics: (1) That the word was not so difficult that it offered no test of third-grade ability. (2) That it showed a steady increase through the following grades but did not reach so high a figure in the highest grades as to prevent its being a test of ability there.

These words were placed in sentences and their difficulty determined by additional testing. By this process he finally arrived at a first and a second preferred list of 25 words each. In order

to get a measure of zero ability, an easy list of fifty words was devised. These words were then evaluated with a high degree of precision and were presented for testing purposes in the form of ten-, twenty-five-, and fifty-word scales.

The small number of words limits the usefulness of the scale since the entire list can be quickly learned to 100 percent median accuracy by a class of ordinary ability in the upper grades. The study is of great interest to advanced students of education because of the great refinement of method. It is doubtful, however, if the high degree of refinement adds anything to the value of the scale for practical use by teachers, principals, and superintendents in the field.

*Ayres. (21)* Probably the most advanced step in spelling measurement was taken by Ayres in 1915 in presenting his Measuring Scale for Ability in Spelling. The 1,000 words in this scale were secured by combining "the results of the several studies so as to secure the most reliable list as a foundation for the work." (22) The placing of the "one thousand commonest words" in the measuring scale assumes that children should be taught and be able to spell these "commonest words" even though they are unable to spell other words. With this assumption we agree.

Two criticisms will be offered concerning the selection of the words:

1. The list is a hybrid since it is made up by combining correspondence frequencies with newspaper and literary frequencies. A comparison of these 1,000 words with the most extensive studies of correspondence reveals 33 words which never occur in these correspondence lists, and 71 others which do not occur in the 3,000 words of greatest frequency. Such words as: arrest, convict, capture, estate, jail, mayor, police, testimony, victim, and witness, occur frequently in newspapers but only a few people ever have any occasion to write them. Why then should they be admitted to our minimal spelling lists?

2. In the selection of these words, root forms and derivatives were counted as one form unless they presented "different spelling difficulties." "Plurals and verb forms presenting no characteristic spelling difficulties beyond those inherent in the singular or infinitive have not been included. (23) Researches by the writer (24) have convinced him that almost without exception derived forms are spelled with less accuracy than root forms, however simple the change involved, and that one cannot select by inspection the forms having slight variation from those having wide variation.

A further criticism must be made on the regularity of the advancement of words in the scale. If all words were learned at the

same rate, this regularity might exist. Buckingham found that most of the words which he tried out did not progress regularly and that frequently there was a reversal instead of advance in accuracy from one grade to another.

He says, "In order that this list should be of greatest value it should be so constituted that the increases in percents correct so keep pace with the increase from grade to grade of general spelling ability that a word tends in all grades to maintain the same difficulty relative to all other words in the list to which it belongs. A word which is twentieth in point of difficulty for the third grade ought to deviate as little as possible from the same rank in the other grades. The experience gained in making this investigation leads us to think that most words do not meet this condition, even approximately. The span between the third and the eighth grades is very wide. Accordingly, a very large class of words is impossible for the earlier yet easy for the later grades. Still others are really difficult in the lower grades, but of almost no difficulty in the upper grades." (25)

The following illustration from Buckingham's Preferred Lists show that although he purposely rejected the most irregular words, irregularities still existed.

TABLE III. PERCENT OF ACCURACY WITH WHICH CHILDREN OF SUCCESSIVE GRADES SPELLED EACH OF THE GIVEN WORDS.\*

Word	Third	Fourth	Fifth	Sixth	Seventh	Eighth
saucer	11	29	42	58	79	81
raise	21	54	67	84	93	94
already	16	42	43	62	44	77
grease	11	18	37	35	42	57

This table is read as follows: The word "saucer" was spelled by third-grade children with an average accuracy of 11 percent; by fourth-grade children with 29 percent; by fifth-grade children with 42 percent, etc. The percents for the other words in the different grades are read in the same manner.

The first two words show rather consistent increases up to the seventh grade and practically no increase from seventh to eighth. The other two show actual instances of lower accuracy of spelling in one grade than in the previous grade.

The present study shows numerous illustrations of the same phenomenon. Since no word was rejected, lapses appeared, as might have been anticipated from the fact that they occurred in Buckingham's highly selected list. Further, these lapses occur

\* These words with their accuracies were selected from Buckingham, B. R. *Spelling Ability—Its Measurement and Distribution*. Table III, page 14.

much more frequently in cases of high accuracy (i. e., very easy words) than in those of medium or low.

Because of these findings, a serious question must be raised concerning the amount of smoothing which Ayres must have done to get the perfect regularity from grade to grade which he has upon his scale.

In order to present the situation as it was actually found, it was decided to provide in the present study a separate scale for each of the grades and to include in each scale the whole number of words. Ayres arbitrarily rejected from consideration all words for each grade whose accuracy fell below the middle step. In the present study, no smoothing has been done to show regularity of progress from grade to grade and no words have been rejected from any grade scale regardless of the low percent of accuracy involved.

In the field of measurement, the Ayres scale has had a much wider influence than that by Buckingham. More than eighty-five thousand copies have been distributed in less than four years. Many spelling tests, such as those by Courtis (26), Monroe (27), Fordyce (28), and the writer (29) have been based directly upon it, and probably hundreds of superintendents have adopted it outright as a minimal list for their schools.

## SECTION II

### THE PROBLEM

Extension work by the writer among the school people of Iowa has brought the following facts clearly to his attention:

1. School people are eager to use the results of scientific research in their school rooms.
2. They have used and appreciated the Ayres Spelling Scale but rightly think that there should be a larger list.
3. For this larger list to be of most worth, the words must be evaluated in some manner.

It was therefore believed that a distinct service would be rendered the schools of the state if a much larger list, scientifically selected, should be evaluated and made available.

At the time the work was begun, the most extensive study of correspondence vocabulary was that of W. N. Anderson. Through the tabulation of 3723 letters of Iowa people, 361,184 running words revealed 3105 different words having such a frequency as to justify, in his judgment, their being taught in school. The Anderson list was an Iowa correspondence list, scientifically selected and containing sufficient words for a much larger list than had ever before been evaluated. Thus the problem became definite—*the making of an Iowa Spelling Scale.*



**SECTION III****METHOD OF GATHERING THE DATA****SELECTION AND ARRANGEMENT OF WORDS**

For administrative convenience, only 3,000 words were taken from Anderson's list. The words were listed in order of decreasing frequency and the first 3,000 were arbitrarily chosen. These 3,000 were divided into three sets of 1,000 words each, dividing the frequency as equally as possible. For example, the words *and*, *the* and *to* being in order the words of greatest frequency in Anderson's tabulation, became the first word respectively of each of the three sets. The 4th, 5th and 6th words in order of highest frequency became respectively the second words of each set, and so on. Each set of 1,000 was then divided into ten lists of 100 words each.<sup>4</sup> In each set, the 1st, 11th, 21st, etc. words became list 1; the 2nd, 12th, 22nd, etc. became list 2; etc. Thus each list included words ranging from very high to lowest frequency of occurrence in Anderson's study. These lists were printed 100 words on a sheet, and the ten lists of a set clipped together.

**CO-OPERATION OF THE SCHOOLS OF THE STATE**

An invitation to co-operate in a state-wide survey of spelling was sent to the superintendents of schools in all cities and towns of the state, having a population of 1,000 or more. A few smaller places were also invited to participate. More than 150 superintendents promised the co-operation of their teachers in this work. Enough sets of words were sent to each of these superintendents to supply his teachers and printed instructions accompanied each set. A copy of these instructions and list 1 of the set will be found on pages 142 and 143.

These instructions requested ten days work from each class. The children in Grades II-IV were to spell 500 words at the rate of 50 per day and those in Grades V-VIII were to spell 1,000 words at the rate of 100 per day. All spellings were to be made without preliminary study or any teacher help. Children in all grades were thus asked to spell all the different words, although it was surmised that many of them would not be spelled by lower grade children. Preliminary experiments, however, had definitely shown that one could not predict with a high degree of accuracy what words the pupils in any particular grade would misspell.<sup>5</sup>

<sup>4</sup> The reason for the division of the 3,000 words into sets of 1,000 and lists of 100 will be understood from the instructions to teachers. See page 143.

<sup>5</sup> A very simple experiment in this line was made by the writer with his University class composed of school superintendents and teachers. List 1 of the present study (see page 142) was given to each member of the class with

It was therefore deemed necessary to ask a large number of pupils in each grade (II-VIII inclusive) to attempt to spell each word.

After the 3,000 words were printed and sent out, it was discovered that there were twenty-three words duplicated. Seventeen of these were duplicated in Anderson's original list, while there were six other duplicates due to typographical errors. Thus the list of 3,000 was reduced to 2,977, the number which appears in the completed scales.

The response of the superintendents, teachers and pupils was most gratifying. More than 100 school systems were able to do the work and send in the results. A list of these cities and towns is given on page 144. A conservative estimate indicates that nearly 1,400 teachers and 45,000 children participated in the work.

## SECTION IV

### METHOD OF HANDLING THE DATA

This very generous response brought in several times as much material as could be used. Hence, a random selection of papers on each list was made from all schools returning data in any grade. This means that on the average, about thirty-five cities and towns are represented by pupils in the determination of the position of each word in each scale. At least 200 spellings were used for each word and the total number of spellings used on the 2977 words in the seven grades was 4,662,200.

All data used were scored or re-checked by the writer or by assistants carefully instructed by him. As has been found by everyone investigating spelling, a number of arbitrary decisions had to be made. Words omitted; words illegibly written; words

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the request that he should mark each word as follows: H if in his judgment the pupils of fifth grade would spell the word with an accuracy of from 67 percent to 100 percent; M if they would spell with an accuracy of 34 percent to 66 percent; and L if they would spell with an accuracy of 33 percent or less. The results showed that in spite of the great latitude allowed, but 45 percent of the judgments were correct as compared with the results in this monograph; 31 percent of the judgments were one unit wrong and 14 percent were two units wrong. Two units wrong means that words which pupils spelled with an accuracy of 67 percent or higher were judged as 33 percent or lower and vice versa. Even when the nineteen words whose spelling accuracies by the pupils fell within 5 percent of the dividing points, 33-34 and 66-67, were not considered, only 48 percent of the judgments were correct; 40 percent were wrong one unit and 12 percent were wrong two units. In other words, when experienced school men and women attempted to judge the accuracy with which children would spell a set of words, they were more than 10 percent wrong with more than half the cases and more than 33 percent wrong in 12 to 14 percent of the cases.

substituted due to misunderstanding the pronunciation; wrong form of homonyms; changes in number and tense except when the change involved an addition to, but no change in, the form given were all counted wrong. But one form of spelling for a word was considered right except the few words for which Webster's New International Dictionary lists two spellings as equally correct.

## SECTION V

### ASSUMED DISTRIBUTION OF ABILITY

It was stated in Section II that part of the problem was the evaluation of the words which had been scientifically selected. When the percent of accuracy of spelling has been determined, one form of evaluation has been made, but this is not entirely satisfactory, as will be shown later.

#### NORMAL PROBABILITY CURVE ASSUMED

Figure 1 presents a typical normal probability or normal frequency curve. The curve has the mass of its area in the central part and but a small part near the ends.

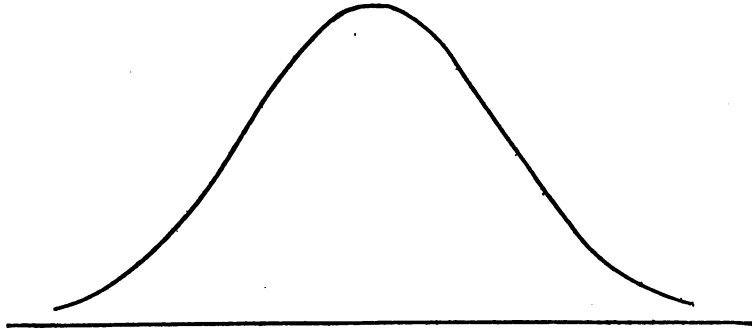


FIGURE 1

This form of distribution has been found to hold true in such human traits as height, weight, length of arms, etc. The great majority of adult men cluster closely around the mean height or weight of all adult men while a decreasing number divide about equally in varying above and below this mean. Only a few vary widely, but those who do are about equally divided as to the direction of their variation.

Does this normal frequency distribution hold true in mental as well as physical traits?

It is a well recognized fact that people with mediocre ability are much more numerous than the dull or the brilliant, and that the very dull and very brilliant are few indeed. Hence, common observation would suggest that general mental ability is distributed in the same manner as physical traits. Does this hold true, also, of the distribution of special abilities such as spelling, arithmetic, language, etc?

The various scales for measuring special abilities such as the Buckingham and Ayres Spelling, Woody's Arithmetic (30), Green's Organization (31), and Trabue's Language (32), have been developed upon the assumption that special abilities are so distributed. The best proof perhaps that the assumption is valid, is that if the assumption is made the results that follow are in very close agreement with the known facts. For these reasons, it was decided to make the same assumption in the present study.

#### SOME PROPERTIES OF THE CURVE

The mathematical properties of the normal probability curve have been very carefully and elaborately worked out on two bases, namely, the Probable Error (P. E.) or mean deviation, and the Sigma ( $\sigma$ ) or standard deviation.

The Probable Error, as a function of the normal probability curve, is that perpendicular distance from the mean at which, if an ordinate is erected, the surface included between this ordinate, the curve, the mean ordinate, and the base line includes 25 percent of the surface included by the whole curve and the base line.<sup>6</sup> In

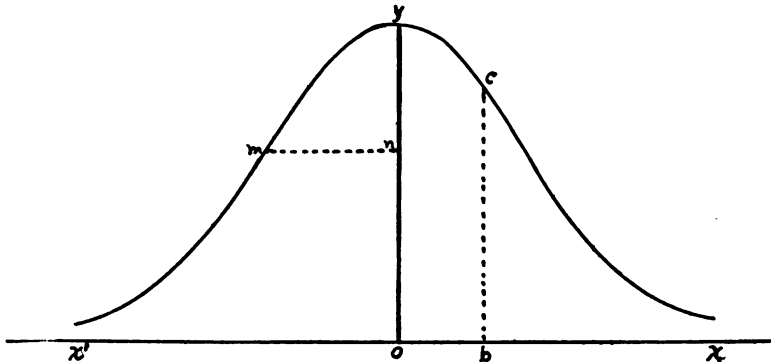


FIGURE 2

<sup>6</sup>In theory the curve and base never meet, the lines being in asymptote, but for practical purposes they are considered as meeting at some given distance from the mean. It is in this sense that we may speak of the surface included between the curve and the base.

Figure 2, *ob* is 1 P. E. distance and *bcyo* includes 25 percent of the surface  $x y x'$ .

Likewise, Sigma or the standard deviation, as a function of the normal probability curve, is the perpendicular distance to the mean ordinate from the point on the curve where it changes from concave to convex; *mn* in Figure 2 represents this distance.

Both Probable Error and Sigma, being functions of the normal probability curve, bear constant relationship to the curve regardless of the variability of base and altitude. Through easily accessible tables, the amount of area included by the curve, mean, base, and an ordinate erected at any given Probable Error or Sigma distance, can be found.<sup>7</sup>

Buckingham, in the development of his spelling scale, used Probable Error and arbitrarily broke off the curve (which theoretically forever approaches the base but never meets it) at  $\pm 4.6$  P. E. This disregards but about one-tenth of one percent of the total surface on either side of the mean.

Ayres, in making his scale, used Sigma and arbitrarily broke the extremities at  $\pm 2.5 \sigma$  which disregards about six-tenths of one percent at each end.

After considerable experimentation, the writer decided to follow Ayres and use the  $\pm 2.5 \sigma$  curve for the following reasons:

1. In practical schoolroom work it is doubtful if it is worth while to differentiate spelling differences of less than one percent. To extend the curve beyond  $\pm 2.5 \sigma$  which is approximately the same as  $\pm 3.75$  P. E., necessitates this finer differentiation.

2. Since 893 words<sup>8</sup> are common to the Ayres Scale and this study, the use of the same form of distribution would permit comparisons not possible otherwise.

#### PLACING WORDS IN THE SCALE

Having assumed the normal probability curve, and having decided upon the measure of variability to use and the limits at which the curve should be arbitrarily broken off, the next problem was to decide on the number of steps into which to divide the base. The spelling accuracies varied in most grades from at or near zero on some words to at or near 100 percent on others. That is, there were some words which children of any grade spelled with perfect or nearly perfect accuracy while there were other words which were missed by all or nearly all the children.

<sup>7</sup> For further discussion of the theory of the normal probability curve, the reader is referred to: Rugg, H. O., *Statistical Method Applied to Education*, Ch. VII.

<sup>8</sup> There are 893 words which appear in both studies which are identical in form while there are 25 others which differ in suffix only. Of these, 10 differ in the suffix "e-d" and 5 in the suffix "s."

In theory the number of steps or divisions into which the base may be divided is infinite, but practical considerations limit the number to but a few. Since our assumption of normal distribution predicates that the number of very good and very poor spellers are few, it is necessary to make finer discriminations between those percentages lying near the extremes of the scale than between those lying near the middle. The larger the number of steps or divisions into which the base is divided, the finer the distinctions drawn all along the scale, but especially is this true near the extremes. As has been stated, however, a finer discrimination than whole percentages can hardly be justified in an instrument designed for practical schoolroom measurement. On the other hand, but few divisions would tend to cover up differences which should be revealed.

Again, after much experimentation it was decided that the division of the base line into twenty-five equal steps, as Ayres did, gave the best results since it permits single whole percentage discrimination of differences near the extremes and does not group together too large percentage differences in the middle.

If there were an equal number of each grade of ability, excellent, good, fair, poor, and very poor; that is, if the frequency surface were a rectangle, then the percentage valuation would be very satisfactory. But we know this is not true and have assumed the distribution to be that of the probability curve instead. Therefore, words which differ by a single percent in the accuracy of spelling do not always represent equal differences in difficulty. Reference to Figure 1 will show quickly that the linear distance between two ordinates so erected as to include between them, the base and the curve, one percent of the whole surface will differ much depending upon whether the ordinates are erected near the median or near the extremes. One of these twenty-five parts into which we have divided the base will underlie approximately nine percent of the surface if located at the median, about four percent if located midway between the median and the extremes and only one percent if located near the extremes. It is this recognition of the type of distribution of ability which makes the percentage evaluation unsatisfactory.

On the basis of the accuracy of the children's spellings, each word was then placed in its proper step or position on the scale. Because it was thought that students of experimental education might care to have the finer distinctions which are not afforded by the step position alone, it was decided to keep the percentage groups within the steps of the scale separate and designate the exact percentage accuracy with which each word was spelled by the children.

If the difficulty of words be defined in terms of differences in position among the steps of the scale, then the words which lie in a single step are of approximately equal difficulty and the words in one step are as much more difficult than those in the previous step as the words in any other step are more difficult than those in the step preceding it. That is, the degree of difficulty between steps is constant throughout the length of the scale.

It will be perceived, of course, that the difficulty of spelling a word is thus defined in terms of the accuracy with which children in a given grade responded to the word under the conditions described in this monograph. It has nothing to do with the inherent difficulties of teaching or learning the word except to the extent that these may be reflected in the accuracy of the spellings of the pupils.

Throughout this monograph, spelling ability is spoken of in terms of efficiency of performance. The only measure of ability which we have for mental traits is in terms of performance. This is common usage and we believe it is perfectly justifiable. We measure ability to read, ability to add, ability to hit a target, ability to lift a weight, etc., in terms of performance. In all these activities, we find by measuring a large number of cases that a few are very good, a few very poor and the majority of all cases occupy an intermediate position. In other words, these various abilities distribute themselves about in the form of the normal probability surface of frequency. It has been the assumption upon which these scales have been built, that spelling ability, ability to do this particular thing under the given conditions, is distributed in this same manner. The scales do not concern themselves with the child's inherent capacity to learn to do, or the difficulties inherent in the words themselves.

## SECTION VI

### USE OF THE SCALES

These scales lend themselves to at least three uses, namely, (1) measurement of status of spelling ability, (2) measurement of growth in spelling ability, and (3) a minimal spelling list for teaching purposes.

Each word having been placed in the scales on the basis of the accuracy with which children in the respective grade spelled it when presented in ordinary list form, any teacher, principal, or superintendent may use the scale to determine how well his own class or school can spell any group of these words in comparison with the children of Iowa as a whole. In making this comparison, the following things should be remembered.

1. That to secure comparable results, the words should be pronounced in accordance with the original instructions (See page 143) and the words scored according to the criteria stated on page 15.

2. That these spellings were from pupils who had on the average completed approximately one-half of the year's work for the grade. Tests given at the beginning or end of the year's work should be interpreted accordingly.

3. That to secure equally reliable results, a much larger list of words must be used with a small group of pupils than with a large group.

4. That in general, words located near the middle of the scale, those with an accuracy of 35 percent-65 percent, are probably more reliable for measuring purposes than those near the extremes.

Words spelled with 100 percent accuracy furnish no test because all the children have mastered them. Some of them could undoubtedly spell much more difficult words. Likewise, words which are missed by all the children furnish no test since we have no means of knowing how much too difficult they are. Since there are many possibilities of wrong spelling against one possible right form, it is probable that 50 percent represents the maximum point of critical measure of a group. This conforms with the experimental work of Otis. (33)

#### MEASUREMENT OF STATUS OF ABILITY

In using the scales for measuring class and school status, it should be kept in mind that words of differing percents within a step are of approximately equal difficulty but to equalize even small differences, a random selection of words from all the percentage groups in a step should be made and these words pronounced as an ordinary spelling test without instruction or previous study. If the average of the class is the same as the average for the step or within the limits of the percents listed under one step, the class has a spelling status on these words about the same as the children of like grade in Iowa. If the class average reaches a percent higher than the highest listed under the step, the class is above average; if below the lowest listed under the step, it is below average.

A word of caution is perhaps in place. The teacher in using these scales must remember that the fundamental assumption upon which the scales have been built is that spelling ability distributes itself according to the normal probability surface of frequency. It must not be expected, therefore, that all the children in her class will spell all the words in a given test, even though



the words are chosen from a single step on the scale, with the same percent of accuracy. A wide range of variation is to be expected and a very narrow range would be quite unusual. Further, the words in a step have been placed there as of approximate equality on the basis of a large number of spellings and it is not to be expected that, with a small group such as a class, the accuracy of spelling on each of the words will be equal.

#### MEASUREMENT OF GROWTH OF ABILITY

In measurement of growth, two objects may be distinguished, (1) the measurement of growth or change due to a term or year of school work, and (2) the measurement of growth or change due to the use of a special method, device, or time variation during a greater or less period.

The first measurement will probably be the one of most significance to teachers and superintendents, and gross differences will be of greatest interest. For this reason, the differences may well be considered mainly in terms of step changes.

The second measurement will be of primary interest to special supervisors and students of experimental education. Since these persons are interested in more refined results, they should consider the individual percentage groups within the step. Whole step differences may frequently be larger than the changes brought about by the conditions involved in the experiment.

#### A MINIMAL SPELLING LIST

This list presents with a high degree of accuracy the words which people use most frequently in written correspondence. For this reason it is highly important that pupils in the elementary school learn to spell these words. By using the words of the scale as the material for regular class instruction, teachers may note class improvement, but they must recognize that as a scale it is becoming less and less valuable as a measuring instrument. However, the writer agrees completely with Ayres when he says, "Probably the scale will have served its greatest usefulness in any locality when the school children have mastered these words so thoroughly that the scale has become quite useless as a measuring instrument." (34)

### SECTION VII

#### LIMITATIONS OF THE SCALES

The scales presented herewith are subject to certain limitations, some of which will be discussed in this section.

## NUMBER OF SPELLINGS USED

In general, with a random selection the reliability of results increases as the square root of the number of cases involved. In the following scales, the number of spellings on each word in each grade was 200 or more. This number was selected as being a sufficient number to give a degree of reliability acceptable in this type of measurement.

However, in order to ascertain the range of variability which might be expected on the basis of 200 spellings in comparison with a larger number, 700 spellings were selected at random on a list of 100 words. The accuracy of spelling on each word was checked out per 100 spellings and three combinations of 200 each were compared with the accuracy of 700. The spelling accuracy of the 100 words in the 700 spellings varied from 100 percent for the three easiest words to 11, 15 and 20 percent respectively on the three most difficult words.

Since the words were to be placed in the scales in terms of steps of equal value as stated previously, it was thought that this examination of reliability of placement should be in terms of steps rather than in terms of percent. The total scale was divided arbitrarily into three-step groups on each side of the middle step. Then the three on each side adjacent to the middle step and this middle step were thrown together since there seemed no valid reason for keeping them separate, the percents in each step being symmetrically placed above and below the middle step. When the 100 words were distributed according to this grouping on the basis of accuracies obtained from the 700 spellings of each word, it was found that there were 12 words in the easiest group, 32 in the next, and so on as shown in column four of Table II.

Next the accuracy for each word on the basis of each of the first, second, and third 200 spellings was taken from its accuracy

TABLE IV. AVERAGE DEVIATION OF SPELLING ACCURACY IN TERMS OF SCALE STEP OF RANDOM SAMPLINGS OF 200 SPELLINGS FROM THE ACCURACIES OF 700 SPELLINGS.

Accuracy in Percents on 700 Spellings	Number of Scale Steps Within These Limits	Average Range in Percent Included in One Step	Number of Words in Group	Average Deviation in Scale Step		
				First 200	Second 200	Third 200
98-100	3	1.00	12	.42	.42	.42
91-97	3	2.33	32	.55	.60	.63
77-90	3	4.67	20	.49	.69	.41
24-76	7	7.57	33	.38	.27	.34
10-23	3	4.67	3	.50	.07	.93

on the basis of the total 700 and the average difference of deviation of all words within the group was determined. This average deviation in terms of percent was then converted into average deviation in terms of scale step by dividing by the average range in percent included in one step.

From these data it is concluded that since the average variation is less than 0.7 of a step in all cases but one, and is 0.5 of a step or less in more than half the cases, 200 spellings is amply sufficient for the degree of accuracy required in placing the words in a scale of this type.

#### DISTRIBUTION OF SPELLINGS

It may be considered a limitation on the scales that all spellings used were secured from Iowa school children. The answer to this is two-fold: (1) that the scales were designed primarily for service to the school people of the state of Iowa. From this standpoint this limitation becomes a positive recommendation. (2) On the basis of a state-wide study of spelling, involving 8818 children in Grades III to VIII inclusive, on spelling tests devised from the Ayres scale, the school children of Iowa spell with about the same average accuracy as children in the 86 cities involved in the Ayres study. This is shown by Table V.

TABLE V. COMPARATIVE SPELLING RESULTS: AYRES SCALE AND 27 IOWA CITIES. 20 WORDS, LIST SPELLING.

Grades	Third	Fourth	Fifth	Sixth	Seventh	Eighth
Number of Children	1620	1635	1841	1338	1228	1156
Iowa Average Scores	73	85	74	83	77	86
Ayres Standard	73	88	73	84	73	84

The table is read as follows: 1620 third-grade children spelled the 20 words with an average accuracy of 73 percent and the Ayres standard for these words is also 73 percent; 1635 fourth-grade Iowa children spelled the 20 words with an average accuracy of 85 percent while the Ayres standard on these words is 88 percent. The number of children and the average accuracy for Iowa children and the Ayres standard for the other grades are read in the same manner.

#### WORDS GIVEN IN LIST FORM

It is recognized that the spelling of words in list form does not give an exact measure of the accuracy with which children will spell words in their ordinary daily work. This condition is perhaps more closely approximated by a timed-dictation test. In neither case, however, can we be certain that the ability displayed

is exactly the same as that which will function when the child is writing spontaneously. These scales do present the accuracy with which children did spell these words when presented under the conditions described in the monograph.

#### WORDS OF VARYING DIFFICULTY PRESENTED IN THE SAME LIST

Making up the list of words on the basis of approximately equal distribution of words of high, median, and low frequency in written correspondence necessarily brought into the same list, words of widely varying difficulty. How far this tends to produce an inaccurate result in the spelling of the common words is not definitely known.

Due to the fact that 23 words were duplicated in the lists sent out, it is possible to make some comparison between the accuracy with which words were spelled when they occurred early in the list, preceded by words which were comparatively easy, and when the same words occurred late in the list, preceded by words of greater difficulty. Thirteen of these 23 words involved this situation of appearing one time rather early in the list and a second time rather late. A comparison of the accuracy with which the children in each of the different grades spelled the word when it occurred early in the list with the accuracy with which it was spelled by children of the same grade when it occurred late in the list, showed two things:

1. That in all grades there was a somewhat higher average accuracy on the words when they occurred early in the list, though some words showed the opposite situation. The median increase in accuracy in the seven grades on words occurring early in the list over the accuracy on the same words when occurring late in the list was but 2 percent. This difference in accuracy was greatest in the third and fourth grades, though a priori judgment had decided that this factor would most affect second-grade children and have less influence thereafter from grade to grade.

2. The average difference of spelling accuracy in these two grades which seemed to be most greatly influenced by this factor was practically identical with the range of percents included in a single step in the portion of the scale in which these words appear.

Since these words were placed in the scales in an intermediate position determined by the average accuracy of spelling in the two positions, it is quite certain that no word is misplaced more than a single step. It is probable that half the words are misplaced less than half a step (that is, not at all in the scale) due to this factor.

## NO ZERO POINT ON THE SCALE

These scales in common with the Ayres scale, place the words on the basis of relative difficulty rather than absolute difficulty from a point which would indicate no ability at all. Because of this limitation, it is not possible to state that words appearing in any single step are so many "times as" difficult as words appearing in some other step. It is only possible to state that words in any step are as much more difficult than the words in the step preceding as the words in any other step are more difficult than the words in the step preceding that. In other words, the inter-step difficulty is approximately equal throughout the scale.

From the standpoint of practical usage the lack of an absolute zero-point presents no serious objection. In the measurement of progress, school people are interested in making comparison with norms and with previous status rather than in determining "times as" relationships. For this reason, a zero-point was not considered of sufficient importance to justify the large amount of additional work which would have been necessary to have secured it.

## SECTION VIII

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**SECTION IX**  
**THE IOWA SPELLING SCALE**  
**GRADE II**



## GRADE II

STEP 5—94%		in	get	singing
95%	let	play	they	
day	that	some	with	68%
it		told		
94%	did	75%	age	
and	look	ball	am	
is	so	cannot	box	
me	tell	hat	came	
		ring	going	
		this	hill	
STEP 6—92%	STEP 9—79%	74%	its	
93%	81%	them	like	
he	have	wind	mad	
to-day	no		pig	
92%	up	cold	playing	
are	will	door	red	
at		girl	ship	
91%	big	lot	thank	
can	but	or	top	67%
	land	think		
STEP 7—88%	old	72%	call	
90%	say	bee	end	
all	ten	doing	far	
the		got	from	
you	ago	May	give	
99%	an	sat	had	
be	hand	three	stop	66%
go	hen	toy		
98%	into		free	
dog	of	baby	ice	
not	on	eat	king	
see	us	has	pin	
she		home	put	65%
87%	as	pie		
boy	last	seeing	bed	
may	man	then	being	
my	to		by	
was	tree	bad	fast	
	your	dad	feet	
		looking	fill	
STEP 8—84%	77%	much	find	
86%	away	thing	flat	
good	cat	time	green	
85%	fat	year	lay	
book	gold		made	
for	out		Miss	
if	run	STEP 11—66%	night	
84%	way	69%	one	
little	we	bell	sun	64%
83%		cap		
come	STEP 10—73%	corn	bat	
do	76%	five	glad	
his	cow	hit	grass	
how	dear	love	her	
		over		

inside	lost	cake	52%
make	papa	coat	about
milk	pen	holding	art
most	poor	left	ate
must	rich	morning	cool
net	room	nut	fell
same	seen	plan	life
telling	snow	rose	low
65%	sold	shop	near
hot	soon	slip	pass
name	sport	stove	place
now	take		rug
wall	took		saying
	west	STEP 13—50%	sell
	what	54%	spell
STEP 12—58%	58%		spot
68%	aside	ask	within
apple	asleep	bear	51%
band	fun	beside	around
bill	him	blow	city
each	landing	born	forget
fall	miss	dust	hall
nine	mother	farm	just
when	pay	feed	kind
yet	sin	finding	list
61%	state	helping	pick
bid	tip	lake	stay
cup	57%	late	Sunday
down	can't	long	town
ever	cut	post	upon
kiss	fish	price	wife
mill	food	ride	50%
part	grade	seed	been
rest	hay	song	bit
school	here	too	black
send	met	well	blank
six	rain	53%	brand
tent	sleep	along	car
till	wet	bank	fee
want	56%	belong	gather
60%	child	date	grand
bay	game	deep	head
cent	keep	foot	hers
forgot	lift	happy	print
gave	mud	joy	shall
hold	rock	kill	side
live	sit	noon	silk
Mr.	small	plow	sis
sent	tenth	sad	spring
stand	than	said	tie
standing	there	set	very
week	trip	shot	went
wish	win	snowing	49%
59%	yes	two	arm
best	55%	under	display
bring	after	war	faster
income	back	where	finger

gate	while	bringing	colder
Jan.	why	card	cooking
mind	46%	clear	football
nap	barn	corner	hand
never	became	dark	however
our	become	dinner	June
read	blue	fishing	leg
rod	bog	mend	lone
roll	coming	north	lump
soft	fair	off	nothing
spent	ford	past	older
step	gland	rush	once
street	hear	show	outfit
such	help	smart	river
wanting	lived	stone	sixth
48%	maker	tend	stood
bake	mine	test	these
begin	open	thinking	tile
drop	rent	trust	to-night
feeding	rip	try	winter
four	shut	wild	41%
gray	slow	willing	bright
hard	son	working	drive
inch	sort	yourself	felt
letter	who	43%	fit
note	window	blame	fort
paper	wood	boat	glee
pine		both	hog
raining	STEP 14—42%	close	inform
rate	45%	damp	lie
real		drum	master
sheep	banker	even	only
starting	behind	handed	pa
thanking	better	hoping	page
wide	bird	lives	park
wool	butter	March	report
work	calling	more	seem
47%	cash	new	seven
able	drug	nose	skate
cord	face	ours	something
fine	found	passing	start
form	gone	pole	teaching
glass	grant	pools	wage
goldfish	kid	render	walking
light	lady	saw	whenever
mamma	luck	someone	wishing
meat	mail	sometime	40%
nor	mate	walk	any
oh	might	42%	apart
order	nice	added	brother
plate	rust	asking	bunch
sight	stamp	below	buy
sister	still	bet	care
sweet	store	cane	chop
thin	table	cast	cream
were	without	class	forming
			gown

herself	wake	harder	deal
hour	worker	himself	fifty
hunt	38%	keeping	fire
hunting	alive	market	first
ink	backing	move	fresh
jump	Christmas	overcoat	Friday
large	clay	paying	grit
longer	could	sink	ground
looked	die	staying	happen
loved	done	storm	killed
lovely	egg	train	kinder
mark	Feb.	whatever	kindest
myself	finish	36%	liver
outside	flower	case	longest
ranch	forgive	clock	noted
reader	garment	closer	pink
rice	given	darling	posted
saved	grip	don't	recall
short	ha	farmer	sack
snap	inclose	filing	safe
snowed	kitten	forth	sending
swell	least	hate	sum
training	ma	held	taken
yellow	number	herewith	trade
39%	plum	inasmuch	word
afternoon	porch	need	write
bugs	printed	next	34%
camp	road	oldest	alone
coy	rolling	other	bean
draft	scrap	own	beg
drill	slide	pack	began
evening	spend	rack	bother
feeder	stick	rank	boxes
getting	stunt	roof	delay
goat	washing	sick	everyone
handy	yard	sorry	feeling
having		south	fellow
homesick	STEP 15—34%	supper	filling
horse	37%	tank	gift
I'll	across	teeth	handsome
know	again	their	hardly
lame	badly	wash	hole
leave	bite	which	indeed
lunch	boss	won't	insist
meet	broke	35%	July
Monday	clothing	air	kindly
neck	contest	also	listed
printing	cost	aunt	loud
reading	cross	base	meal
renting	dandy	blood	mostly
right	eye	catalogue	mouth
round	farther	chair	neat
Sat.	fight	chill	Nov.
shed	frost	church	Oct.
sock	fur	clean	oil
spelling	great	cooler	picking
summer		cover	pride

riding	flesh	chairman	heat
row	folder	change	household
says	gas	char <sup>ge</sup>	merry
shame	gladly	children	Mrs.
shortly	lighting	chum	named
sir	likely	crib	payment
somewhat	linen	crop	per
space	making	deliver -	printer
spending	many	drew	rained
taking	pain	few	shipping
tiny	poorly	forest	thick
	race	fourth	thus
bench	seat	frame	true
called	seventh	harvest	trying
dice	shade	herein	visit
dose	slept	hundred	warm
east	stage	I'm	you'll
eve	stating	joke	
fear	ton	limit	28%
half	water	larger	add
holder	whereby	pair	attending
house		party	basket
ill		please	Bible
intend	act	post card	brought
later	asked	scout	brush
less	baking	showed	calf
mean	beat	sooner	cheer
meeting	chose	sound	Dr.
peach	creep	strongly	drilling
pending	enter	together	fitting
profit	floor	treat	garden
rabbit	folk	trunk	gee
remind	funny	understanding	likewise
renter	grandma	washed	manage
sash	grind	weak	mighty
saving	job	wonder	nearly
soap	nearer		present
spoke	needing	29%	selling
those	newspaper	amount	sleet
	none	awhile	speed
adding	pound	beef	stranger
agree	protest	before	sunshine
ahead	sale	belt	talking
belonging	shape	birthday	thankful
catch	smaller	booklet	track
cattle	stair	brick	trained
check	stock	closing	workmanship
clever	teach	dearest	27%
club	waste	dearly	anyone
count	white	depend	behalf
covering	woven	depending	block
dead		fail	cared
deed	STEP 16—27%	fix	carpet
dress	30%	front	carrying
every	another	grew	chapter
father	banking	hair	cleaner
file	begun	handling	cleaning
	blew	hearing	cloth

coffee	unless	kisses	prior
content	wanted	lace	prize
credit	wheel	largest	proper
dare	yesterday	lose	pump
Dec.	yoke	maid	pupil
does	<i>25%</i>	member	pure
extent	all right	membership	regard
former	body	o'clock	regret
growing	delighted	oven	remit
housekeeping	dressed	partly	respond
idea	dresser	planted	sand
lining	eight	proud	September
maple	everything	rail	team
nobody	family	removed	throw
opened	glove	rented	understood
packing	heap	sheet	walked
paint	inclosing	shipment	would
self	jar	shoe	<i>22%</i>
strike	loss	sire	absent
strongest	lung	started	adjust
sure	mailed	tight	afraid
tax	marking	township	anyway
teacher	maybe	turned	battle
until	overlooked	twice	beaten
wishes	people	use	board
worked	played	wear	chart
<i>26%</i>	queen	wise	copy
admit	renew	won	disposed
always	seal	world	dollar
branch	silver	worth	dream
coal	somewhere		flour
danger	steel		forty
December	talk	STEP 17—21%	fruit
film	trusting	<i>23%</i>	gain
granted	twenty	almost	glasses
grown	understood	beet	investment
heating	voting	bigger	latest
high	weekly	burn	living
insert	welcome	carry	lowest
isn't	western	closed	lucky
January	wire	cloudy	moved
knew	<i>24%</i>	colt	namely
mass	army	deeply	news
month	brain	demand	nineteen
ninth	broken	died	oblige
November	crowd	dirty	per cent
oats	early	enjoying	picture
opening	enjoy	finest	pocket
pencil	filled	fixed	quick
point	fund	greater	seemed
press	handled	grove	simple
program	haven't	inviting	sixty
pull	helpful	main	skating
remark	higher	match	soil
saver	invited	October	stuff
thread	joyful	oversight	toward
tire	kept	plain	tried

turn	habit	pillow	seller
velvet	hereafter	plenty	shown
	hereby	quart	sickness
aid	iron	quite	sitting
because	I've	regarding	slight
birth	junk	retail	talked
bought	knowing	rushed	throat
cook	law	seventy	twelve
crew	load	struck	vary
daddy	matter	thereafter	violin
exchange	permit	travel	waited
foolish	powder	tread	weather
frankly	public	Tuesday	weigh
highest	quit	upper	whether
hotel	Sept.	watch	writer
I'd	since	wheat	Xmas
inclosed	single		
itself	size		
Latin	standard	STEP 18-16%	acting
latter	supply	18%	adopted
loaded	title	above	artist
misses	vote	ache	attain
money	wagon	adjustment	cabinet
moving	wedding	afloat	chain
nerve	whole	already	chance
nicely	withdraw	April	damage
pretty	wrote	benefit	debating
setting	yearly	charming	delivered
submit	young	chicken	else
taste	youth	closely	enjoyed
tested		company	everybody
third	address	delayed	fifth
thought	ans.	discount	forgotten
voter	anything	dispose	globe
wrong	anywhere	extra	haste
	blooming	grandfather	hello
agreed	buyer	greatest	independent
among	center	growth	informed
attend	choose	hurt	known
brown	coin	inspect	labor
busy	counting	invite	lamb
buying	doctor	joined	lately
coach	edge	laid	leaf
dance	entry	mailing	liked
dated	fact	minister	management
death	feel	moment	needed
debate	forwarding	ninety	person
detail	French	odd	power
dwelling	friendly	otherwise	prevent
enclosed	inches	passed	reaches
enclosing	item	placed	ready
fare	join	plainly	recently
fever	lumber	postage	refund
forenoon	mister	railroad	rule
forwarded	monthly	reported	sore
goose	music	sample	study
grain	perhaps	Saturday	tattooing
			ticket

17%

STEP 18-16%

18%

tired	awaiting	Aug.	uncle
transit	booster	basis	useful
Tues.	bottom	billed	value
used	branched	bowl	waiting
worm	building	buggy	wearing
zero	cheerful	captain	weary
	client	cartoon	wouldn't
	comply	change	
16%	devoted	changing	
advice	dread	cleaned	STEP 19-12%
advise	easy	clerk	
agent	final	clothe	15%
auto	finished	control	alfalfa
await	follow	county	aren't
bottle	fourteen	covered	boiler
country	fully	dealing	booth
dancing	hasn't	delightful	bushel
didn't	hurry	elect	charged
enclose	ideal	expert	classes
fern	island	failed	clearly
fifteen	knot	flavor	confined
friend	largely	fullest	constant
froze	liberty	gasoline	dozen
further	locate	germ	eager
greeting	lonesome	gotten	extend
handle	losing	gravy	fairly
heard	loving	hardware	fancy
helped	mistake	hare	greatly
hoped	outlined	improve	industry
intended	painter	inst.	learn
lesson	pastor	kindness	learned
loose	presented	ladies	leaves
lower	primary	loan	level
message	proved	lonely	lovingly
nurse	rainy	manual	model
owe	raised	mere	movement
range	repair	method	needle
rapidly	return	missed	noise
raw	scare	office	owing
reach	score	ordering	patent
reached	semester	packed	pavement
reaching	serve	placing	pleased
reply	sewing	provided	proof
rubber	shock	quickly	recent
sew	spare	renewed	recovered
square	speak	respect	remembering
term	stayed	ribbon	served
that's	suit	serving	share
unpaid	temple	should	slipper
utmost	therefore	slightly	taught
whom	visited	smooth	thousand
wished	wait	speaker	topic
woman	wondering	stated	wasn't
		steam	watching
aim	14%	thanksgiving	women
anybody	afterward	thereof	you'd
anyhow	ashamed	unable	zone
August			



<b>18%</b>			
answered	second	recover	kitchen
apply	server	relation	leaving
beyond	settle	remove	length
breaking	skirt	scale	limb
build	soldier	spirit	madam
candle	tract	splendid	married
caught	using	steady	middle
checking	voice	stopped	misunderstanding
choosing	Wednesday	strict	ordered
coasting		subject	painting
color	<b>11%</b>	suffering	preparing
comfort	advantage	talent	properly
cough	agreeable	tanning	publisher
decline	amendment	taxes	quiet
dependent	backed	to-morrow	quote
desire	bluff	truly	reason
earth	careful	we'll	refer
eighty	carefully	witch	remember
eleventh	cause	worry	represented
enrollment	caused		result
fence	colored	<b>10%</b>	several
forward	cottage	abstract	simply
freeze	court	advising	spread
friendship	cute	against	stamped
furnish	delivery	allow	studying
gaining	disgusted	ankle	supplied
guess	during	answer	text
health	enough	answering	Thursday
hence	entirely	applicant	trace
illness	express	automobile	wonderful
installed	February	Ave.	X-ray
interest	federal	awful	
ivory	formed	barley	<b>STEP 20—8%</b>
leader	formerly	bridge	<b>9%</b>
letting	graze	Bro.	
located	heavy	button	acre
manner	history	cheap	addresses
meantime	interested	coast	advance
northern	interesting	collar	advertising
obliged	manager	condition	appeal
offering	modern	crazy	attach
organ	nevertheless	democrat	attached
ought	notion	destroyed	bass
owned	offered	due	boarding
patch	painted	ease	broad
performed	parlor	enroll	candidate
problem	penny	entitle	carried
providing	piano	field	cheaper
quarter	picnic	furnishing	confident
rapid	post office	gallon	consist
record	prevented	gentleman	contain
refuse	promotion	hadn't	contained
request	prompt	heretofore	containing
rifle	promptly	important	continue
safety	proves	including	convince
season	putting	information	cotton
	raising	invoice	credited

customer	united	relative	graduation
daily	vacation	renewal	grammar
dairy	valued	republican	guide
data	view	reputation	heir
dealer	whose	returning	homestead
degree	writing	satisfy	honest
deportment	yourselves	shipped	human
direct	8%	shipper	hurried
discontinued	addressed	sign	improved
duty	advertise	situation	increasing
employed	ample	statement	jury
enrolled	argument	station	justify
entertainment	assist	sugar	learning
except	assortment	surprise	leather
favor	attention	thesis	librarian
firm	barely	though	limited
following	believe	touch	listen
fortune	blackberries	towel	literary
girlie	braid	visiting	location
happened	builder	waist	loyal
improving	built	we've	merit
instant	bulk	winner	obtain
instructed	cellar	7%	operation
intention	comfortable	ability	patron
internal	confer	according	perfect
international	continued	acted	perfectly
machine	daughter	active	piece
nation	education	addition	policy
normal	effort	adjusted	prepaid
ocean	establish	administrator	property
pattern	etc.	ambition	published
peace	figure	auntie	question
phone	fuel	between	register
phoned	gained	bracelet	regular
potatoes	gentlemen	break	regulation
postal	German	breakfast	remedy
prefer	good-bye	capital	remembered
president	grateful	cashier	rendered
promised	healthy	checked	resident
proven	meter	concluded	section
raise	officer	consider	seldom
reasonable	opera	considerable	shopping
remain	operated	contract	shoulder
replying	package	conversation	style
represent	payable	cutting	suppose
requested	pearl	desired	thirty
returned	planning	develop	total
ruin	pleasant	director	transfer
running	position	discovered	treated
rye	priced	dodge	vacant
student	Prof.	drama	valley
suggest	protected	entire	
support	provide	exceptional	STEP 21—6%
through	queer	explained	6%
trouble	raiser	fault	account
turkey	realize	fitted	action
uniform	reduce	force	actor

advertisement  
allowed  
although  
altogether  
appear  
applied  
appointment  
average  
avoid  
ballot  
based  
believing  
blessed  
calendar  
cherries  
choice  
college  
common  
complete  
congratulate  
consideration  
contemplated  
convention  
copies  
corporation  
correspondent  
couple  
cousin  
curtain  
decide  
decided  
desiring  
earning  
eighteen  
either  
election  
English  
entered  
envelope  
examination  
favorite  
figured  
forced  
graduating  
hesitate  
holiday  
honor  
hospital  
husband  
ironing  
judge  
label  
mention  
neglect  
notice  
notify  
orange

ourselves  
personal  
planned  
popular  
possess  
possibly  
prayer  
preacher  
product  
prospect  
really  
realizing  
repeat  
require  
retain  
route  
saddle  
sanitary  
satisfactory  
secure  
secured  
separate  
settlement  
silence  
slippery  
studies  
subscriber  
surprised  
throughout  
traveling  
treatment  
trial  
weight  
weren't  
worrying  
worse  
worst  
  
5%  
advertised  
affair  
amounting  
attractive  
beauty  
biggest  
calm  
cement  
central  
chief  
cigar  
cities  
combination  
commence  
conduct  
congratulation  
consequently  
considered  
considering

convinced  
correct  
course  
deserve  
district  
doesn't  
doubt  
earnest  
employee  
entertaining  
ere  
estimated  
example  
expected  
explain  
explaining  
federation  
female  
foundation  
general  
group  
hauled  
headache  
honestly  
illustrated  
include  
included  
invitation  
lbs.  
lodge  
maintain  
mentioned  
million  
minute  
moral  
narrow  
noticed  
opinion  
owner  
particular  
parties  
personality  
pertaining  
possible  
preparation  
prepared  
private  
quoted  
reliable  
reliability  
requesting  
reserve  
salary  
select  
service  
sorrow  
stories

submitted  
suggested  
suitable  
supposed  
terrible  
tickled  
volume  
watched

## STEP 22—4%

4%

absolute  
absolutely  
accept  
accordance  
advised  
alley  
appearance  
appointed  
arrive  
arrived  
assuring  
bonus  
butcher  
canvass  
capacity  
carrier  
certain  
circular  
compelled  
constantly  
correction  
crippled  
cure  
democratic  
deposit  
depot  
described  
directed  
disappointment  
disposal  
earliest  
elected  
entitled  
evidently  
exactly  
exam.  
excuse  
exhibit  
expired  
expensive  
expressed  
fabric  
factory  
failure  
future

genuine	union	disease	occupied
graduate	urge	distribution	operating
guest	valuable	division	ordinary
handkerchief	welfare	dreadful	organization
happiness	worthy	durable	organized
headquarter	written	easily	original
immense	3%	employer	parcel
improvement	absence	entering	parent
inclined	accomplish	epidemic	period
increase	accommodate	equipped	practically
inquire	acquainted	error	practice
inquiry	administration	especially	premium
instead	adventure	established	prepare
instruct	agriculture	excellent	presume
investigation	allotment	excited	principal
jobber	animal	exciting	principle
judgment	anxious	expense	privilege
laugh	application	explanation	probably
lecture	appreciated	extensive	proceed
legal	arrange	factor	profitable
library	arranged	factories	promise
local	article	favorable	publication
manufacture	assembly	favored	rec'd
meant	assistant	feature	received
merely	athletics	figuring	recommend
nature	attended	freight	referred
neighbor	author	frequently	regardless
neighborhood	automatic	frozen	relieve
nervous	available	furnace	requirement
nickel	awfully	furnished	reservation
obligation	balance	garage	response
obtained	banquet	geometry	resulting
practical	bargain	ghost	Sabbath
practicing	brief	guarantee	salesman
procured	bulletin	guaranteed	satisfaction
produce	burden	imagine	satisfactory
progress	business	increased	secretary
purchase	carnival	identify	securing
purpose	cedar	indicate	sense
quality	certainly	inducement	society
receive	climate	immediately	straight
reference	collect	installment	subscription
referring	completely	instance	superintendent
refreshment	composition	institution	surplus
refused	concern	investigate	telephone
required	confirming	involved	thorough
respectfully	connected	journal	thoroughly
satisfied	connection	justified	timothy
search	conveniently	knowledge	usually
settled	co-operating	magazine	
signature	couldn't	material	
signed	council	materially	
special	crowded	measure	
surface	debt	mortgage	
sweater	difference	national	
theater	difficulty	naturally	
treasurer	direction	object	

STEP 23—2%

accordingly  
additional  
affectionately  
annual  
annually

anticipating	elsewhere	production	appreciation
appendicitis	engineer	proposition	approved
arrival	engineering	purchased	arriving
assessment	entertain	qualities	assigned
assure	equipment	quantity	assignment
assured	excess	readily	assistance
attempt	exclusively	receiving	associated
attendance	executive	recess	association
authorized	exercise	recite	assume
aware	exhibition	reduction	assurance
beginning	existing	registered	attraction
canned	experience	registration	authority
capable	expression	remembrance	avenue
certificate	extreme	representation	barrel
chautauqua	fashion	responsible	calves
Christian	finally	rough	campaign
circulation	followed	rural	candidacy
circuit	fraternally	selected	celebrate
circus	funeral	senior	channel
citizen	geography	similar	choir
civics	glorious	sincere	circumstances
coarse	gratitude	social	commerce
collection	grocery	solicit	commercial
commission	Hallowe'en	strawberries	community
commissioner	honorable	succeeded	companies
committee	illustration	success	conclusion
communication	importance	successful	conference
companion	impossible	superior	confirm
complaint	influence	supervision	connect
concerning	inquiries	system	consequence
concert	inspector	telegram	considerably
confidence	insurance	territory	constitution
connected	interfere	themselves	construction
connecting	issue	transportation	convenience
conservatory	junior	university	co-operation
consultation	language	variety	cordial
contemplating	legislation	weighed	cordially
contrary	liable	wholesale	corrected
co-operative	liberal	worried	correspond
correctly	literature		crochet
courage	machinery		crocheting
creamery	medicine		coupon
current	mental		dangerous
cushion	merchandise		decision
customary	moderate		decrease
definite	musical		definitely
deliveries	neglected		design
demonstrated	nephew		destination
deserved	niece		discourage
development	organize		duplicate
different	pardon		efficiency
directly	patient		efficient
domestic	permanent		electricity
doubtless	politics		enormous
duties	positive		enthusiasm
effect	preliminary		enthusiastic
electrical	presence		essential

## STEP 24—1%

accident	appreciate
accomplished	
accredited	
acknowledge	
actual	
actually	
admission	
advanced	
advancement	
algebra	
analysis	
anniversary	
announce	
appeared	

evidence	opportunity	type	disappointed
examine	orchestra	universal	encourage
examined	originally	unusually	equally
examiner	particularly	usual	exact
exception	physician	vision	excitement
exceptionally	pneumonia	zephyr	executed
exhausted	politician		extremely
expecting	possession		familiar
extended	previous	STEP 25—0%	foreign
extension	produced	acceptance	fortunate
famous	prosperity	accompanying	fundamental
fashionable	receipt	acquaintance	generally
favorably	reception	acquire	inferior
fierce	reduced	activity	ingredients
financial	regretting	advisable	leisure
furniture	regularly	affidavit	majority
generous	relationship	agency	manufacturing
government	relieved	agricultural	maturity
gradually	remained	alumni	mountain
grippe	remittance	ambitious	natural
hastily	representative	announcement	occasion
humor	resigned	anticipate	occasionally
hustling	resource	apparatus	peculiarities
illustrating	scarce	appreciating	personally
immediate	science	approval	phosphorus
impression	selection	arrangement	physical
inconvenience	series	associate	possibility
individual	serious	attitude	prevail
institute	sincerely	attorney	process
instruction	soliciting	auditor	profession
instructor	specially	blizzard	professional
instrument	stationary	bureau	prosperous
introduced	stomach	character	qualities
introduction	straightened	characteristic	quotation
issued	strength	collecting	recommendation
license	strictly	compliment	responsibility
lieutenant	struggle	confirmation	rheumatism
liquid	studied	continuous	schedule
mechanical	substitute	convenient	scientific
necessary	succeed	correspondence	source
necessity	sufficient	courteous	specification
neither	supervisor	demonstration	unnecessary
notary	supplies	description	unusual
notified	surgery	difficult	various
numerous	sympathy	disagreeable	vicinity
official	tuberculosis	disappoint	



**SECTION X**

**THE IOWA SPELLING SCALE**

**GRADE III**



# GRADE III

STEP 1—100%	92%	boy	looking
in	by	cannot	make
	come	hand	much
STEP 2—99%	get	run	must
is	have	sent	pay
	into	we	put
	may		sand
STEP 3—98%	on	ago	sat
are	one	as	six
good	play	down	snow
he	say	home	sun
it	time	so	yet
	with	toy	
STEP 4—96%	your	when	83%
			after
97%	an		bed
can	for	STEP 8—84%	bring
my	his	86%	cold
see	like	age	cow
that	man	bell	far
	some	door	foot
96%	the	from	ill
and	them	letter	just
be	up	live	kill
book	way	night	made
day		or	meat
she		red	they
	STEP 7—88%	thing	top
STEP 5—94%	90%	till	week
	big	us	
95%	gold		82%
all	got	bee	back
at	had	box	ball
but	her	came	black
did	of	coat	call
do	over	forget	doing
little	think	going	five
not	this	most	gave
out	tree	three	grass
was	wood	throat	green
you		well	hard
	ask	what	has
94%	give		ink
dear	how	84%	lot
dog	if	apple	mother
eat	land	bad	Mr.
go	last	cat	playing
me	let	fast	ring
old	look	fish	ship
to-day	love	grade	Sunday
year	tell	hat	tent
	ten	king	thank
STEP 6—92%	then	light	there
		long	wind
93%	being		
ice			
will			

STEP 9—79%		singing	song	glad
81%		tenth	soon	here
about		too	spell	hunt
am		town	standing	mine
baby		war	start	note
bank			state	sad
bay		78%	told	shop
best		along	two	sold
each		aside	under	stand
feet		car	want	stop
fill		colder	why	table
food		face	within	thanking
hill		fat		to-night
him		girl		wall
inside		goat	STEP 10—73%	win
lay		hall	76%	74%
May		house		bid
more		lake	add	cap
seeing		late	bear	eye
send		left	calling	Feb.
sheep		March	card	first
without		off	care	flat
work		oil	corn	help
yes		once	fall	hot
		rain	find	Jan.
		same	four	Miss
80%		stay	happy	nice
away		take	hear	our
boat		very	hold	pink
butter			joy	print
cake			keep	real
cent		77%	kind	said
cut		backing	longer	saw
ever		band	low	seen
free		belong	never	spent
lost		blow	park	to
Monday		cup	pen	willing
morning		end	pin	yard
new		fell	plan	
no		fine	room	73%
pig		flower	seed	better
place		fun	sleep	bill
read		grand	spelling	east
stove		hay	sport	forget
sweet		its	stone	goldfish
went		mad	summer	lived
west		now	upon	lives
working		nut	where	many
		overcoat	75%	myself
79%		papa	able	net
become		part	around	nine
child		pine	banker	noon
hen		ride	cover	open
milk		rust	dad	river
name		side	every	rock
pie		silk	farm	set
poor		sister	Friday	show
rich		snowing	game	sick
school		son		

soft	washing	step	those
window	wish	test	took
winter	70%	wanting	walking
72%	afternoon	68%	which
any	barn	arm	white
baker	became	asking	write
blue	can't	bat	yellow
city	children	behind	66%
cook	cream	below	adding
dance	deep	brand	air
die	drive	bright	alive
dinner	dust	danger	belonging
gate	faster	dark	cane
head	father	fair	cattle
helping	gray	feed	clock
inch	heat	fit	coming
kiss	hit	June	done
maker	hog	lady	don't
mate	hour	lone	fire
mill	large	mail	ford
near	mark	north	form
older	mud	nothing	garden
paper	oh	order	gather
picking	outside	race	handed
post	page	rolling	holding
rent	price	sin	kindly
rose	rest	sit	leave
shot	round	spot	ma
store	sell	starting	making
thin	spring	teach	market
tip	train	teacher	meal
were	true	thinking	pa
who	trust	try	paying
wide	water	walk	reading
71%	wife	yourself	report
bird	STEP 11—66%	67%	stamp
brother	69%	art	whatever
date	ate	banking	65%
even	beside	been	added
felt	bit	blank	author
finding	clear	both	bet
forgive	close	clay	born
found	cost	Dec.	bunch
gone	could	fort	cool
kid	dress	glass	hers
landing	drop	hair	hunting
life	fishing	however	income
pick	given	master	January
plow	ground	Nov.	lame
seven	Oct.	plate	met
slow	other	Sat.	mind
stage	rate	seat	move
still	road	shut	right
stood	rug	something	rush
supper	saying	stick	sending
telling		street	sort
		teeth	south

such	eve	nor	harder
talk	farmer	ours	holder
wake	fear	pass	jump
wild	few	past	kitten
	fight	pencil	looked
64%	finger	please	meet
ahead	July	porch	October
bean	longest	post card	only
buy	luck	posted	pain
camp	mean	rail	pillow
cash	news	raining	pole
class	nose	saved	roll
delay	own	shoe	sis
drum	party	small	sixty
feeding	per	space	someone
handy	poorly	sugar	staying
horse	reader	than	taken
later	rice	their	talking
lift	sack	whenever	while
neck	safe	worker	wonder
next	sink	yearly	wool
pack	sir		
peach	smart	60%	58%
rank	tank	always	army
short	tend	apart	case
slip	thereafter	asked	chop
snowed	tiny	bite	church
storm	trip	block	darling
these	weak	body	December
wet	wishing	cloth	everything
	would	count	forest
63%		cross	gift
also	61%	dream	glove
brick	another	fifty	goose
cast	April	football	half
clean	asleep	great	happen
cooking	blame	job	having
cord	brush	loved	high
dandy	chair	month	leaves
display	coal	nearly	matter
flour	contest	need	pound
fur	corner	none	rained
ha	dead	outfit	seem
held	deal	queen	shade
indeed	dearly	shipment	shall
mouth	died	sunshine	soap
nap	fellow	tie	sorry
roof	hang	Tuesday	stated
sound	hardly	wise	teaching
spend	hearing	won't	thought
taking	herself	yesterday	twenty
track	hole	59%	wash
	inasmuch	across	word
STEP 12—58%	kinder	afloat	world
62%	know	beat	57%
bringing	larger	begin	agree
draft	list	blood	alone
eight	miss	farming	anyone

anything	55%	oldest	color
basket	birthday	packing	creep
bench	Christmas	passing	deed
content	cleaning	point	dresser
egg	closer	ready	heating
filling	evening	recall	homesick
fix	gland	rented	hoping
frost	grandma	riding	island
fruit	hundred	rod	leader
grant	lace	says	learn
growing	least	sight	maid
kindest	noted	somewhat	oblige
lie	number	sore	opened
liver	otherwise	stranger	overlooked
money	pair	swell	rack
oven	planted	township	shape
peace	plum	treat	spoke
reach	pull	use	stunt
renew	pure	wanted	thankful
row	quart	washed	trade
self	ranch	53%	wage
should	saver	boxes	Wednesday
skate	sew	branch	51%
slide	snap	chart	bother
stock	sometime	earth	bugs
warm	speed	farther	carry
wheel	spending	folk	counting
56%	tested	grain	country
again	worked	I'll	crib
aunt	STEP 13—50%	inform	deliver
belt	54%	keeping	early
called	badly	mend	easy
carpet	because	mostly	eighty
check	bought	penny	finish
clothing	brought	powder	folder
damp	cheer	pride	former
enter	chill	quick	forth
floor	club	render	greeting
gladly	covering	saving	hate
law	crop	selling	hereafter
marking	dearest	sheet	lovely
Mrs.	drill	sooner	lumber
nobody	everyone	team	mailed
oats	fee	training	mamma
orange	grandfather	trusting	paint
pocket	himself	welcome	person
printed	inclose	wheat	proper
protest	invited	whereby	proud
rabbit	itself	worth	railroad
renter	leg	52%	shed
silver	less	above	soil
third	load	battle	steam
thread	lump	begun	study
thus	might	cared	thick
tile	November	chain	throw
wishes		charge	twice
		closed	unless

wagon	tire	speaker	housekeeping
youth	trying	ton	invite
50%	48%	travel	inviting
booklet	anyhow	trunk	leaf
brown	before	used	learned
candle	Bible	velvet	liked
depend	broke	wire	loaded
does	copy	46%	loud
grew	coy	afraid	painter
grind	drew	almost	pending
intend	feeder	began	played
killed	front	behalf	pleasure
lighting	heard	between	plenty
lose	herewith	chicken	press
maple	higher	closing	reached
meeting	hoped	dice	simple
nearer	household	enjoy	sleet
opening	listed	fail	Thursday
payment	match	fifteen	together
pools	mister	flesh	tried
pretty	moment	frame	unable
remark	picture	funny	waited
seventy	post office	grip	weather
stair	remind	grown	woman
understanding	rule	inclosed	wrong
walked	seal	junk	44%
weekly	shame	kindness	beet
young	speak	kisses	board
49%	stating	laugh	calf
all right	sum	lesson	cleaned
bog	tax	liberty	company
boss	ticket	living	cotton
bottle	turn	maybe	dare
brain	wear	named	Dr.
busy	47%	neat	everybody
coffee	catch	painted	feeling
colt	change	pleased	filled
doctor	cleaner	printer	gas
fence	clever	shortly	harvest
file	death	strongest	improve
forty	dread	watch	inches
fresh	drug	won	joke
glee	garment	woven	joyful
granted	geo		largest
handle	gown	STEP 14—42%	likewise
I'm	iron	45%	membership
lunch	knew	ans.	newspaper
moving	main	anyway	odd
partly	member	blew	pump
people	merry	branches	regard
printing	moved	broken	regret
renting	needing	buying	retail
September	nineteen	demand	rubber
seventh	remove	French	scout
sixth	rip	getting	sewing
size	sash	grove	sock
	scrap		somewhere

started  
strike  
turkey  
voter  
western  
writing  
wrote

43%

auto  
charming  
chose  
dated  
drilling  
enclosed  
filing  
finest  
handling  
helpful  
hurt  
I'd  
idea  
insist  
latter  
leather  
lower  
mighty  
office  
plain  
present  
quite  
recover  
removed  
running  
smaller  
that's  
Tues.

42%

afterward  
amount  
birth  
classes  
friend  
glasses  
globe  
grip  
handsome  
hurry  
learning  
needed  
patch  
postage  
quickly  
return  
Saturday  
second  
Sept.

sure  
twelve  
understand  
worm  
you'll

41%

act  
agent  
among  
ashamed  
Aug.  
Ave.  
awhile  
cause  
chairman  
cooler  
delighted  
extent  
fourth  
fully  
heat  
herein  
jar  
likely  
loving  
music  
phone  
potatoes  
power  
prize  
profit  
prove  
range  
reaching  
respond  
sale  
sample  
steel  
until  
wedding  
women

40%

already  
answer  
anybody  
anywhere  
boiler  
burn  
chance  
cloudy  
dose  
dozen  
dressed  
fifth  
follow  
frankly  
fund

gallon  
hardware  
insert  
knowing  
known  
latest  
meantime  
monthly  
nation  
program  
raw  
settle  
sitting  
slipper  
taste  
trace  
waiting  
whom  
writer  
Xmas.

39%

address  
beef  
beg  
chum  
crowd  
damage  
discount  
duty  
feel  
knot  
linen  
loss  
manage  
packed  
painting  
perhaps  
remit  
retain  
since  
slept  
suit  
therefore  
title  
uncle  
visit  
vote  
workmanship

38%

baking  
bushel  
coin  
cottage  
debate  
gotten  
greater  
limb

lonely  
noise  
regarding  
reply  
reported  
seller  
sickness  
utmost  
weary  
wished

STEP 15—34%

37%

base  
building  
buyer  
coach  
comply  
deeply  
delightful  
dirty  
during  
fact  
fairly  
forward  
guess  
hare  
heavy  
hereby  
history  
informed  
join  
listen  
manner  
minute  
movement  
namely  
ordering  
organ  
ought  
payable  
prevent  
provided  
quit  
reason  
remain  
seemed  
skating  
thereof  
tight  
trained  
whole  
witch  
withdraw  
worst

<b>36%</b>	adjust	haven't	permit	crazy
	backed	highest	raised	earning
	bottom	inclosing	rushed	elect
	buggy	outlined	score	expert
	button	placing	shoulder	extra
	catalogue	remember	soldier	finished
	caused	serve	waist	forgotten
	checking	share	waste	formed
	clearly	single	wonderful	forwarding
	county	skirt	zone	hotel
	cutting	strongly	<b>32%</b>	item
	dancing	thirty	acting	I've
	depending	toward	build	level
	eighteen	visiting	builder	lining
	field	<b>34%</b>	changed	lonesome
	friendly	advise	comfort	narrow
	further	agreed	debating	ninety
	habit	break	delivered	parlor
	isn't	Bro.	desire	picnic
	lamb	choose	disposed	proof
	leaving	coast	eleventh	recovered
	lucky	court	enough	returned
	mailing	devoted	exchange	season
	misses	dollar	fourteen	served
	mistake	figure	froze	shipping
	nerve	film	fullest	thousand
	nevertheless	frozen	gum	truly
	owing	grave	greatest	upper
	pearl	handled	homestead	
	proved	kept	independent	<b>STEP 16—27%</b>
	quarter	letting	inspect	<b>30%</b>
	ribbon	performed	labor	advice
	setting	repeat	lowest	barrel
	showed	scale	needle	broad
	spread	shopping	nicely	careful
	talked	submit	ninth	caught
	Thanksgiving	through	officer	charged
	tired	value	oversight	cheaper
	tread	<b>33%</b>	owe	cheerful
	treated	carrying	placed	credit
	wait	changing	providing	eager
	watching	collar	quiet	else
<b>35%</b>		daddy	reaches	enclose
	August	dealing	server	enjoying
	awaiting	dispose	shone	February
	bigger	edge	simply	foolish
	bulk	fancy	square	helped
	center	fever	stuff	invoice
	chapter	fitting	though	nickel
	daily	forwarded	understood	nurse
	enclosing	illness	voting	plainly
	express	intended	whether	provide
	failed	kitchen	<b>31%</b>	raising
	family	lung	absent	recite
	fixed	mass	await	record
		obliged	beaten	scare
		o'clock	clerk	



sign  
slight  
struck  
vacation  
worry

29%

admit  
alfalfa  
answered  
breakfast  
checked  
cherries  
covered  
dealer  
enjoyed  
explain  
extend  
German  
laid  
Latin  
losing  
pavement  
per cent  
prevented  
proven  
queer  
raise  
recent  
recess  
remembering  
request  
rough  
sire  
smooth  
supply  
temple  
to-morrow  
turned  
unpaid  
using  
worse  
yoke

28%

built  
cheap  
colored  
consist  
decline  
delayed  
fern  
gain  
haste  
ideal  
joined  
ladies  
locate  
lovingly

middle  
notice  
passed  
patent  
phoned  
pupil  
putting  
repair  
saddle  
stayed  
studying  
taught  
taxes  
touch  
united  
valued  
voice  
we'll

27%

addresses  
aid  
attend  
blessed  
booth  
bridge  
carefully  
coasting  
confined  
contain  
detail  
entry  
factory  
furnishing  
happened  
holiday  
including  
instead  
investment  
largely  
loose  
ocean  
respect  
returning  
ruin  
secure  
standard  
statement  
suffering  
surprise  
throughout  
useful  
vary  
violin  
zero

26%

aim  
amounting

artist  
beyond  
bowl  
closely  
continue  
contract  
cure  
delivery  
dreadful  
ease  
explained  
favor  
force  
gaining  
gentleman  
graze  
health  
hence  
honest  
improving  
limit  
married  
preacher  
properly  
public  
refund  
serving  
shock  
spare  
stamped  
trouble  
watched  
wearing  
wondering

25%

acted  
amply  
ankle  
answering  
balance  
barley  
blooming  
captain  
clothe  
common  
control  
cough  
crew  
dairy  
didn't  
either  
entering  
excuse  
forenoon  
good-bye  
greatly  
instant

loan  
offering  
package  
perfect  
piano  
problem  
promise  
rainy  
recently  
renewed  
requested  
stories  
towel

24%

active  
adjustment  
billed  
circus  
cousin  
cripple  
dodge  
figured  
friendship  
furnish  
hasn't  
hello  
industry  
inst.  
interesting  
lately  
management  
mention  
model  
obtained  
ordered  
owned  
primary  
prior  
property  
rapid  
refuse  
suitable  
text  
whose  
wouldn't

STEP 17—21%

23%

advance  
aren't  
breaking  
carried  
cellar  
contained  
containing  
explaining

formerly	entertaining	prompt	tattooing
freeze	entire	quoted	uniform
gentlemen	ere	rapidly	worrying
group	etc.	receive	
guide	except	refreshment	STEP 18—16%
headquarter	flavor	rendered	18%
interest	following	replying	addressed
language	hurried	require	attain
manager	improved	search	avenue
message	jury	silence	avoid
pastor	maintain	situation	butcher
postal	method	splendid	cartoon
presented	owner	stopped	climate
slightly	promised	weigh	companion
sorrow	represented	19%	couple
talent	strict	advising	described
treatment	suppose	apply	employed
22%	tract	argument	enrollment
abstract	traveling	booster	example
actor	visited	cigar	final
animal	wasn't	confident	information
attending	winner	creamery	intention
bluff	written	due	interested
boarding	you'd	favorite	lecture
dependent	yourselves	fortune	lodge
earnest	20%	fuel	mentioned
enroll	addition	furnace	notion
entered	adjusted	furnished	offered
fare	advantage	guest	operated
firm	advertised	handkerchief	popular
headache	alley	husband	prepared
healthy	aware	important	procured
pattern	beauty	include	Prof.
publisher	cabinet	included	prospect
rye	client	installed	raiser
seldom	constant	ironing	refused
steady	convention	jobber	republican
studies	decided	minister	reserve
surface	deportment	normal	safety
term	deserve	obtain	semester
transit	direct	planning	settled
21%	dwelling	pleasant	slippery
adopted	enrolled	promotion	spirit
against	female	protected	17%
agreeable	figuring	question	although
allow	fitted	realize	benefit
amendment	gained	refer	biggest
attach	growth	represent	calm
automobile	honestly	required	carrier
bass	honor	satisfied	comfortable
believe	increasing	select	condition
burden	limited	settlement	democrat
chief	located	several	desiring
degree	machine	station	effort
desired	missed	student	election
discovered	modern	subject	entertainment
English	northern	support	

# GRADE III

STEP 1—100%	92%	boy	looking
in	by	cannot	make
	come	hand	much
STEP 2—99%	get	run	must
is	have	sent	pay
	into	we	put
	may		sand
STEP 3—98%	on	87%	sat
are	one	ago	six
good	play	as	snow
he	say	down	sun
it	time	home	yet
	with	so	
	your	toy	83%
STEP 4—96%	91%	when	after
	an		bed
can	for	STEP 8—84%	bring
my	his	86%	cold
see	like		cow
that	man	age	far
	some	bell	foot
and	the	door	ill
be	them	from	just
book	up	letter	kill
day	way	live	made
she		night	meat
		or	they
	STEP 7—88%	red	top
STEP 5—94%	90%	thing	week
	big	till	
all	gold	us	82%
at	got		back
but	had	bee	ball
did	her	box	black
do	of	came	call
little	over	coat	doing
not	think	forget	five
out	this	going	gave
was	tree	most	grass
you	wood	three	green
		throat	hard
STEP 6—92%	89%	well	has
dear	ask	what	ink
dog	give		lot
eat	how	84%	mother
go	if	apple	Mr.
me	land	bad	playing
old	last	cat	ring
to-day	let	fast	ship
year	look	fish	Sunday
	love	grade	tent
	tell	hat	thank
	ten	king	there
ice	then	light	wind
will	being	long	

STEP 9—79%		singing	song	glad
81%		tenth	soon	here
about		too	spell	hunt
am		town	standing	mine
baby		war	start	note
bank			state	sad
bay		78%	told	shop
best		along	two	sold
each		aside	under	stand
feet		car	want	stop
fill		colder	why	table
food		face	within	thanking
hill		fat		to-night
him		girl		wall
inside		goat	STEP 10—73%	win
lay		hall	76%	74%
May		house		
more		lake	add	bid
seeing		late	bear	cap
send		left	calling	eye
sheep		March	card	Feb.
without		off	care	first
work		oil	corn	flat
yes		once	fall	help
		rain	find	hot
		same	four	Jan.
80%		stay	happy	Miss
away		take	hear	nice
boat		very	hold	our
butter			joy	pink
cake			keep	print
cent		77%	kind	real
cut		backing	longer	said
ever		band	low	saw
free		belong	never	seen
lost		blow	park	spent
Monday		cup	pen	to
morning		end	pin	willing
new		fell	plan	yard
no		fine	room	75%
pig		flower	seed	better
place		fun	sleep	bill
read		grand	spelling	east
stove		hay	sport	forget
sweet		its	stone	goldfish
went		mad	summer	lived
west		now	upon	lives
working		nut	where	many
		overcoat	75%	myself
79%		papa	able	net
become		part	around	nine
child		pine	banker	noon
hen		ride	cover	open
milk		rust	dad	river
name		side	every	rock
pie		silk	farm	set
poor		sister	Friday	show
rich		snowing	game	sick
school		son		

channel	submitted	similar	privilege
collection	supposed	society	process
completely	terrible	succeeded	prosperous
confidence	urge	university	readily
connection	weren't	variety	regularly
co-operation	wholesale	vision	serious
cushion			social
dangerous	STEP 21—6%	5%	subscription
debt	6%	accordance	successful
destination	accept	acknowledge	surgery
difference	accomplish	acquire	sympathy
division	agriculture	allotment	timothy
employer	announce	alumni	type
exact	announced	anniversary	usual
exceptional	assigned	anxious	
excitement	assortment	attorney	
exercise	ballot	available	
expense	bulletin	awfully	STEP 22—4%
expensive	celebrate	bonus	4%
expression	circuit	citizen	acceptance
extreme	circular	commerce	accident
feature	collecting	committee	acquainted
fraternally	communication	constitution	actual
furniture	community	contemplating	advancement
graduate	compelled	conveniently	affectionately
hastily	confirm	correctly	algebra
illustrated	correspond	correspondence	annual
inducement	correspondent	coupon	appearance
instruction	decrease	difficulty	appointed
insurance	demonstrated	domestic	appreciated
introduced	disagreeable	doubtless	assignment
legal	engineering	effect	assistance
legislation	error	electrical	assume
magazine	estimated	examine	assurance
medicine	evidence	exclusively	blizzard
musical	excess	fashionable	bureau
national	experience	federation	business
notary	fierce	generally	certificate
notify	frequently	glorious	character
occupied	geometry	government	circulation
operating	gratitude	humor	circumstances
opinion	guaranteed	illustrating	conclusion
organization	hustling	immediate	connecting
patient	imagine	immediately	conservatory
permanent	junior	impossible	considerably
possibly	knowledge	inconvenience	convenience
practical	material	inquires	cordially
probably	mental	issue	crocheting
profession	merchandise	issued	customary
receiving	merely	judgment	decision
reception	neighbor	liable	definitely
reduce	numerous	liberal	development
remembrance	original	moderate	disease
reservation	planned	notified	efficient
rural	quantity	occasion	electricity
special	referring	official	enthusiasm
straightened	remittance	politics	epidemic
	representative	principle	examined

excellent  
executed  
executive  
exhausted  
familiar  
finally  
generous  
illustration  
instructor  
investigate  
journal  
materially  
naturally  
opportunity  
personally  
physician  
practically  
premium  
principal  
profitable  
purchased  
qualities  
quotation  
recommendation  
referred  
response  
science  
series  
sincere  
strictly  
succeed  
sufficient  
superior  
system  
thoroughly  
transportation  
unusually  
various

5%

accommodate  
accordingly  
activity  
affidavit  
approval  
approved  
arrangement  
arrival  
arriving  
assessment  
association

attendance  
civics  
convenient  
cordial  
corrected  
definite  
difficult  
disappoint  
discourage  
efficiency  
encourage  
enormous  
equipped  
especially  
examiner  
exhibition  
extension  
favorably  
guarantee  
impression  
instrument  
interfere  
librarian  
manufacturing  
practicing  
presence  
purchase  
receipt  
relieved  
remained  
sincerely  
solicit  
specification  
stationary  
supervision  
territory  
usually  
vicinity  
zephyr

STEP 23—2%

accompanying  
accredited  
actually  
administration  
admission  
agricultural  
announcement  
anticipating

appreciate  
assembly  
auditor  
authority  
campaign  
candidacy  
commercial  
commission  
commissioner  
compliment  
consequence  
construction  
consultation  
co-operative  
crochet  
demonstration  
disappointed  
enthusiastic  
financial  
gradually  
grippe  
immense  
inferior  
institute  
introduced  
lieutenant  
mechanical  
natural  
necessity  
originally  
particularly  
previous  
professional  
prosperity  
regretting  
rheumatism  
source  
substitute  
supervisor  
unnecessary  
unusual

STEP 24—1%

accomplished  
acquaintance  
ambitious  
analysis  
annually

apparatus  
appendicitis  
appreciation  
associate  
associated  
attitude  
characteristic  
chautauqua  
confirmation  
continuous  
courteous  
exceptionally  
extremely  
fundamental  
Hallowe'en  
individual  
ingredients  
leisure  
majority  
maturity  
necessary  
orchestra  
pneumonia  
politician  
possibility  
quantities  
resource  
responsibility  
schedule  
senior  
soliciting  
specially

STEP 25—0%

advisable  
anticipate  
appreciating  
essential  
foreign  
fortunate  
license  
occasionally  
peculiarities  
phosphorus  
physical  
possession  
scientific  
tuberculosis



**SECTION XI**  
**THE IOWA SPELLING SCALE**  
**GRADE IV**



## GRADE IV

STEP 1—100%		hand	why	had
all		in	wind	hat
at		into	your	head
did		last		Jan.
dog		let	an	longer
me		letter	cake	pay
thank		may	cent	place
thing		mother	city	poor
to-day		must	corn	ring
		not	down	river
		old	five	same
		on	food	send
STEP 2—99%		one	free	some
and		over	going	summer
are		say	gold	sweet
big		she	hard	table
book		that	her	then
but		think	how	time
day		this	live	to-night
dear		way	looking	us
good		when	man	wish
have		will	my	work
he		with	read	working
his			reader	
is			red	94%
it			sand	am
land		STEP 4—96%	south	bad
like		97%	tell	bed
little	apple		ten	bee
look	bell		we	cannot
May	butter			coat
out	by		STEP 5—94%	end
run	cook		95%	fast
see	door			faster
ship	eat			Feb.
tree	green	about		for
up	ice	after		has
was	if	age		him
what	left	ago		just
year	love	baby		kind
you	made	bank		king
	make	bill		Monday
STEP 3—98%	milk	box		Nov.
as	night	dark		of
away	said	date		papa
be	school	dinner		pig
boy	six	do		play
can	snow	doing		real
come	state	east		ride
each	Sunday	ever		road
get	them	face		Sat.
give	they	foot		seeing
go	three	from		silk
got	top	frost		stove
	under	gave		sun

till  
two  
wall  
where  
wood  
yet

STEP 6—92%

93%

along  
ask  
black  
blank  
call  
child  
clean  
clock  
could  
cow  
cut  
eye  
home  
hot  
however  
inside  
kiss  
lake  
life  
light  
Mr.  
much  
name  
near  
never  
nice  
number  
Oct.  
off  
once  
overcoat  
playing  
price  
rich  
room  
store  
thinking  
toy  
walking  
well  
who  
winter  
yard

92%

art  
aside  
back

ball  
below  
best  
bird  
blow  
card  
cat  
clear  
cold  
cream  
cup  
far  
farm  
feet  
found  
fun  
fur  
hall  
happy  
hear  
inch  
joy  
lady  
large  
lay  
lived  
lot  
March  
mark  
more  
mouth  
move  
no  
note  
October  
oil  
report  
rest  
saw  
small  
stage  
stand  
telling  
thanking  
told  
town  
want  
week  
yellow

91%

air  
band  
banker  
bay  
belong  
beside  
better

blue  
came  
coal  
cover  
fat  
forget  
game  
girl  
gone  
hang  
help  
house  
ink  
July  
June  
keep  
kid  
looked  
lost  
low  
nine  
noon  
open  
page  
park  
pen  
post  
put  
rain  
reading  
sat  
sell  
sent  
show  
side  
singing  
sister  
so  
sport  
standing  
stay  
stick  
supper  
there  
trip  
very  
water  
while  
win  
window  
yes

STEP 7—88%

90%

any  
around

bunch  
cap  
car  
case  
country  
delay  
drive  
fellow  
fill  
fine  
gate  
goldfish  
grade  
helping  
hill  
hog  
horse  
hour  
hunt  
late  
long  
meat  
most  
next  
nut  
outside  
peach  
people  
pie  
plow  
saying  
shop  
snowed  
song  
spent  
sunshine  
take  
took  
walk  
war  
wash  
went  
whatever  
wife  
without  
worker  
write

89%

bake  
bear  
deep  
earth  
fell  
felt  
flat  
forgot  
grass

ground	mail	sugar	stood
hen	maker	taking	street
ill	market	tank	teacher
larger	meal	teaching	wild
leave	mine	trunk	wishing
lunch	money	wheel	85%
new	mud		adding
north	now	STEP 8—84%	also
oh	or	86%	barn
older	our		bean
part	pick	block	boat
paying	pin	body	camp
rock	rail	cattle	colder
sheep	rent	clay	dead
sir	rice	close	deal
snowing	row	count	don't
such	seat	crop	feed
taken	seen	dad	first
teach	set	dandy	fort
test	shipment	December	glass
the	son	die	January
weak	stop	dust	job
willing	tent	eight	know
within	train	farmer	leg
word	trust	fishing	many
would	87%	flower	mate
yourself	add	gather	music
88%	added	hay	nobody
able	asking	heat	plan
afternoon	bat	holding	race
alive	because	inasmuch	reach
arm	become	master	recall
asked	being	mill	rust
banking	brand	Miss	sad
basket	bright	neck	saved
born	brother	nothing	seven
bring	calling	oats	shall
can't	class	order	short
care	danger	outfit	should
children	egg	oven	slow
dance	fire	pine	staying
dress	fish	point	talking
drop	form	porch	tenth
early	glee	pure	trying
even	lives	quick	upon
fall	luck	railroad	washing
finding	meet	round	watch
Friday	morning	sack	wheat
grand	myself	seed	wool
handy	net	sick	84%
here	paper	smart	above
hold	party	space	battle
hunting	plate	spot	been
landing	print	spring	birthday
law	sleep	stamp	bringing
loved	spell	starting	brought
mad	step	still	brown

catch	remove	speak	wonder
chair	renew	talk	yesterday
church	rush	tip	80%
forgive	shoe	twenty	alone
four	sixty	unless	always
glad	someone	used	apart
island	sound	velvet	ate
kill	speaker	wet	bet
kindly	thin	white	between
lesson	thus	worked	Bible
longest	to	world	board
ma	were		both
other	whenever	STEP 9—79%	broke
ours	wide	81%	change
own	agree		cool
pink	anyone	again	cord
pocket	Aug.	ahead	covering
pole	aunt	another	cross
recover	backing	belonging	drum
sink	became	blood	eve
spelling	blame	boss	everyone
start	bought	bother	fair
stone	boxes	cane	find
than	buy	cleaner	floor
too	charge	clothing	follow
true	Christmas	contest	granted
Tuesday	died	dearest	herewith
warm	done	death	high
washed	football	display	I'm
won't	given	doctor	inches
yearly	grandma	dresser	income
53%	grant	evening	learned
April	gray	fifty	less
behind	hardly	fight	listed
cared	hearing	ford	liver
carpet	heating	hair	load
cash	held	harder	maid
cooking	hit	having	mailed
cost	kinder	homesick	mean
counting	making	inclose	nap
dearly	might	later	none
draft	moved	lone	pa
every	paint	noted	pain
farming	pass	patch	per
father	passing	post card	plum
finger	person	renter	rained
forest	picking	rose	removed
glove	rate	shot	shape
great	remark	sin	sight
grove	right	soon	slip
half	safe	sum	sorry
harvest	sit	swell	started
hole	soil	these	tie
kitten	sold	thick	wagon
lump	sometime	thought	wake
please	sort	travel	wanted
printed		weather	

wear	list	saver	75%
young	lumber	sixth	
79%	marking	something	
asleep	matter	thereafter	
begin	nation	thousand	
behalf	nearly	tiny	
cleaning	neat	try	
darling	officer	which	
deed	otherwise	whole	
feeding	overlooked	worth	
fence	pound		
fit	printer	STEP 10—73%	
former	proper	76%	
garment	roof	afterward	
goat	sample	amount	
ha	sending	beg	
handed	seventh	bench	
handle	shade	bite	
invited	silver	calf	
its	size	clever	
jump	somewhere	depend	
leather	speed	dream	
mend	spending	drew	
pack	spoke	enough	
queen	stock	flour	
raining	sure	forth	
rank	Thursday	fresh	
riding	trade	gallon	
self	twice	grew	
shut	welcome	happen	
simple	wrote	hurt	
skate	77%	idea	
soap	brick	jar	
storm	brush	killed	
stranger	carry	met	
teeth	check	nose	
thankful	closed	painted	
use	colt	pools	
walked	damp	press	
wire	Dec.	pride	
78%	file	program	
across	friend	prove	
beat	garden	renting	
belt	goose	sash	
burn	grain	selling	
called	himself	Sept.	
cheer	labor	September	
cloth	lace	steam	
club	leader	their	
coming	member	ticket	
company	miss	tire	
dozen	only	unable	
fail	pencil	understanding	
grandfather	posted	wedding	
hundred	printing	wise	
largest	ready	wishes	
lift	rug	woven	
		bit	
		blew	
		branch	
		chart	
		chop	
		closer	
		crib	
		does	
		dollar	
		drug	
		everybody	
		glasses	
		heard	
		holder	
		I'll	
		intend	
		keeping	
		kindest	
		liberty	
		lovely	
		merry	
		mighty	
		month	
		Mrs.	
		need	
		newspaper	
		office	
		pair	
		picture	
		pillow	
		proud	
		provide	
		rack	
		rented	
		rip	
		rolling	
		rubber	
		scout	
		seem	
		seventy	
		shortly	
		smaller	
		soft	
		steel	
		stunt	
		team	
		treat	
		74%	
		act	
		ans.	
		anyway	
		bottle	
		chance	
		chicken	
		cotton	
		fact	

farther	inspect	bushel	meeting
field	iron	cast	named
folder	likewise	center	noise
gladly	payment	discount	oblige
guess	peace	during	plain
heavy	pleased	eighty	raised
herself	remain	elect	ranch
joke	returned	fee	reason
kisses	scrap	feeling	repair
leaves	seal	folk	rushed
match	spend	froze	talked
mostly	study	funny	trained
news	temple	gain	won
November	vote	hate	wrong
ocean	wanting	household	Xmas
oldest	whereby	lame	
ordering	72%	latter	STEP 11—66%
phone	acting	least	
post office	agent	living	69%
quart	anywhere	loaded	afraid
rabbit	army	mailing	among
reached	classes	moment	Ave.
rule	cleaned	moving	badly
shame	content	ought	began
sis	dare	packed	brain
sock	deliver	partly	candle
somewhat	drill	pending	cloudy
tend	fear	prevent	court
those	getting	pull	dated
tile	gift	render	drilling
together	gown	return	family
trace	improve	rough	finish
track	indeed	saving	fourth
twelve	kindness	sickness	French
uncle	maple	slide	gee
understand	o'clock	stated	grind
voter	odd	tested	handling
west	planted	thirty	higher
witch	postage	trusting	hoped
73%	protest	visit	kitchen
almost	providing	wished	leaf
anything	pump	70%	mistake
awhile	roll	anyhow	nearer
building	seemed	bog	nicely
coffee	shed	booklet	nor
county	sore	coast	orange
dread	thread	copy	past
dressed	ton	corner	perfect
easy	township	depending	range
enter	turn	enclose	sale
everything	wage	filled	settle
failed	71%	flesh	sewing
front	answer	formed	snap
fruit	ashamed	itself	strongly
grown	bid	junk	suit
heap	branches	learn	title
inclosed	build	main	withdrew

writer	joined	65%	message
zone	lighting		mountain
	locate		phoned
broad	lung		picnic
broken	meantime		played
busy	mind		prize
cause	needle		raising
demand	nurse		shipping
enjoyed	obliged		shoulder
filling	payable		shown
forward	plenty		strike
globe	pretty		treated
greater	slipper		until
greeting	third		valued
growing	through		weekly
health	turkey		writing
hers	value		zero
kept	western		
knew	wonderful		63%
knowing			auto
known			await
laugh			checking
letting			delighted
perhaps			edge
placing			excuse
poorly			feeder
powder			figure
raw			finest
respond			fitting
Saturday			handsome
says			hare
since			helped
stating			ivory
strongest			mister
waist			monthly
women			opened
worm			pearl
			penny
			reaches
			regard
			sitting
			steady
			waiting
			youth
			STEP 12—58%
			62%
			birth
			breaking
			chill
			chum
			contract
			cooler
			cough
			cousin
			Dr.
			enclosed

explain	ease	58%	profit
fifth	improved	address	public
fitted	intended	agreed	shock
forwarding	invoice	base	surprised
greatest	listen	carried	taxes
hardware	lonesome	caused	turned
herein	loss	coasting	waste
knot	mamma	collar	watching
level	mass	comfort	56%
manage	measure	cure	actor
painting	middle	damage	although
quickly	nature	delightful	baking
reaching	offering	detail	boiler
refuse	owe	fever	buying
rod	rapid	fourteen	cheaper
score	recovered	guide	confined
station	repeat	habit	contained
stuff	retain	illness	daily
thereof	scare	I've	dancing
to-morrow	setting	ladies	dealer
wait	settlement	language	feel
workmanship	sew	linen	figured
61%	skating	lovely	foolish
blessed	tread	narrow	furnish
charming	tried	needing	German
cheerful	59%	nineteen	happened
clearly	anybody	obtain	I'd
dairy	appear	organ	improving
dirty	capital	season	instead
disposed	caught	suffering	movement
duty	covered	Thanksgiving	package
extend	crowd	throat	quarter
friendly	daughter	united	refund
insist	exchange	voting	regarding
located	fixed	57%	reported
loud	following	answering	saddle
lower	force	beet	sign
piano	forwarded	beyond	slept
reply	headquarter	bridge	tired
sheet	hence	crazy	useful
showed	limb	crew	Wednesday
stamped	loving	deeply	whom
subject	manner	delayed	55%
though	namely	eager	amounting
Tues.	pattern	eighteen	answered
visited	pavement	eleventh	backed
worse	per cent	finished	boarding
60%	performed	further	buggy
adjust	placed	homestead	bulk
advise	proven	honest	charged
awaiting	quit	husband	choose
Bro.	quite	latest	crippled
built	record	lose	debate
checked	request	married	decline
color	requesting	misses	discovered
comply	respect	needed	enjoying
direct	woman	prevented	explained



fairly	dodge	enrolled	forenoon
gotten	fund	excited	garage
grip	future	film	gentleman
industry	germ	fullest	greatly
isn't	holiday	graze	lbs.
lecture	insert	investment	loose
neglect	ninth	length	notion
nevertheless	presented	maintain	potatoes
notice	primary	outlined	promised
plainly	proof	Prof.	queer
pleasure	ribbon	property	quoted
production	scale	rainy	shoppmg
properly	struck	remained	silence
regret	supply	remembering	sorrow
require	suppose	renewed	surprise
suitable	wearing	server	throughout
surface	wouldn't	weigh	trial
worst	yoke	worry	upper
		written	valley
	52%	50%	
STEP 13—50%	abstract	awful	48%
54%	advance	careful	adjustment
aid	ample	clerk	animal
aim	chief	closely	avenue
barrel	debating	conduct	aware
begun	else	entertaining	break
correct	entering	entry	calm
directed	fuel	factory	central
except	furnishing	February	concluded
flavor	headache	loyal	degree
friendship	hello	minute	department
gaining	item	northern	dreadful
gravy	likely	noticed	either
include	machine	pupil	fern
intention	maybe	rapidly	fling
loan	model	served	gasoline
obtained	oversight	sleet	hereby
owing	passed	standard	judge
permit	perfectly	statement	lately
raise	postal	truly	niece
second	requested	using	parcel
seller	secure	wondering	prospect
spare	seldom	49%	putting
tight	stayed	advice	recently
watched	studied	alley	recess
winner	submit	ankle	recite
yourselves	therefore	biggest	returning
53%	treatment	burden	settled
adopted	trouble	butcher	skirt
bigger	unpaid	captain	smooth
bowl	51%	consist	splendid
buyer	action	containing	stories
continue	attend	delivery	taste
creep	balance	election	topic
cutting	beauty	example	traveling
desire	coach	expressed	visiting
	daddy		

47%	we've	ere	losing
addition	whose	explaining	manufacture
admit	worried	forced	minister
aren't	worthy	furnace	missed
cabinet		instant	object
cherries	STEP 14—42%	jobber	parties
due		jury	piece
fare	45%	mentioned	preparing
lodge	against	normal	publisher
patent	artist	pardon	reduced
pleasant	companion	parent	refreshment
quiet	considering	popular	relation
strict	couple	rendered	represent
touch	exciting	reputation	result
toward	fault	term	rifle
uniform	figuring	utmost	scarce
whether	lining		situation
	prompt	allow	worrying
46%	question	circus	40%
account	studied	complete	agreeable
acted	weight	convention	barley
active		duties	blackberries
addresses	44%	English	catalogue
attending	automobile	expected	creamery
bass	booth	fashion	desired
bluff	carefully	gentlemen	desiring
booster	carrying	grocery	expired
button	conversation	included	gained
climate	destroyed	information	healthy
clothe	final	laid	hospital
credit	growth	location	inquire
enclosing	handkerchief	recent	local
entered	honestly	shipped	offered
entertainment	human	slightly	pastor
forty	independent	sweater	preacher
hasn't	modern	view	prepare
honor	neighborhood	violin	promptly
increasing	prepaid		realize
mention	problem	41%	reduce
pertaining	replying	addressed	remember
progress	required	apply	running
promotion	ruin	blooming	struggle
refused	serving	condition	vary
regulation	shipper	contemplated	39%
relationship	soldier	dependent	arrange
rye	union	different	believe
satisfied		drama	candidate
service	43%	dwelling	carrier
several	advertised	elected	comfortable
sire	arrive	entertain	common
student	average	extended	complaint
studying	control	famous	constant
text	debt	favorable	director
tickled	depot	ideal	factor
towel	decision	important	failure
weighed	earnest	interested	female
we'll	effort	liquid	
	entirely		

group  
haste  
installed  
ironing  
machinery  
manager  
operated  
product  
promise  
protected  
remit  
reserve  
success  
supplied  
you'd

33%

advanced  
alfalfa  
bargain  
billed  
cement  
cigar  
confident  
convince  
curtain  
describe  
didn't  
employed  
firm  
forgotten  
limit  
lovingly  
manual  
method  
really  
resulting  
simply  
slippery

STEP 15—34%

37%

ache  
acre  
argument  
attention  
choice  
current  
cute  
decide  
deserve  
discontinued  
doesn't  
domestic  
exact  
exactly  
feature

hurried  
inclined  
interest  
priced  
produced  
quote  
register  
republican  
talent  
telephone  
tract  
transit

36%

advantage  
adventure  
advising  
avoid  
calves  
cellar  
considered  
couldn't  
courage  
data  
easily  
entitle  
formerly  
furnished  
increased  
international  
Latin  
limited  
management  
owner  
prepared  
receive  
select  
supposed  
transfer  
treasurer

35%

attach  
attached  
crowded  
decided  
doubt  
expecting  
factories  
fierce  
guest  
hadn't  
madam  
position  
prayer  
private  
represented  
resident

respectfully  
strawberries

34%

appeal  
awfully  
capable  
certain  
cities  
college  
consider  
continued  
convinced  
deserved  
foundation  
instruct  
instructed  
mere  
moral  
neglected  
neighbor  
prevail  
procured  
reduction  
reliable  
section  
separate  
source

33%

bracelet  
channel  
composition  
congratulate  
customer  
democrat  
education  
enroll  
entire  
favored  
happiness  
importance  
improvement  
library  
period  
realizing  
search  
secured  
securing  
slight  
tatting  
total  
vision

32%

adjusted  
advertise  
applied  
arranged

arrived  
braid  
district  
exam.  
general  
geography  
increase  
largely  
opera  
opinion  
positive  
published  
satisfactory  
signed  
style  
succeeded  
themselves  
valuable

31%

accomplish  
advertising  
attain  
believing  
calendar  
combination  
constantly  
corrected  
dangerous  
disgusted  
followed  
graduation  
hauled  
heir  
liberal  
million  
misunderstanding  
neither  
ninety  
operation  
organized  
ourselves  
personal  
raiser  
regardless  
regular  
remedy  
selected  
stomach  
straight  
vacant

STEP 16—27%

30%

according  
advancement  
advised

appointed  
appointment  
attended  
automatic  
banquet  
cartoon  
connected  
connecting  
copies  
corporation  
credited  
directly  
excess  
exercise  
favorite  
federal  
funeral  
inspector  
inst.  
moderate  
nickel  
particular  
patron  
proceed  
publication  
reference  
reservation  
route  
suggested  
theater  
wasn't

29%

accordingly  
affair  
altogether  
ambition  
amendment  
benefit  
cashier  
collect  
concern  
connect  
course  
etc.  
examined  
expression  
ghost  
humor  
instance  
internal  
justified  
literary  
medicine  
planning  
refer  
system  
wholesale

28%

appeared  
approved  
beginning  
Christian  
commence  
correction  
correctly  
direction  
earliest  
exception  
hesitate  
interesting  
nervous  
prior  
purpose  
representation  
requirement  
safety  
strength  
submitted  
transportation

27%

auntie  
based  
companies  
conference  
contrary  
democratic  
develop  
difference  
extensive  
fortune  
gratitude  
issue  
legal  
manufacturing  
nephew  
president  
presume  
registration  
resource  
Sabbath  
satisfy  
spirit  
superintendent  
support  
telegram

26%

attraction  
barely  
cedar  
coarse  
concerning  
concert  
confirming

deposit  
engineering  
freight  
good-bye  
graduating  
issued  
notify  
obligation  
personality  
prefer  
quality  
reasonable  
relative  
remembered  
rural  
sense  
stationary  
stopped  
supplies

25%

advertisement  
author  
canned  
confer  
disposal  
doubtless  
effect  
evidently  
influence  
inquiry  
junior  
liable  
meant  
musical  
organize  
permanent  
purchase  
reception  
selection  
semester  
serious  
society  
strictly  
volume

24%

assist  
ballot  
employer  
examine  
existing  
generous  
heretofore  
imagine  
impossible  
justify  
national  
process

resigned  
salesman  
secretary  
series  
suggest  
tanning  
X-ray

STEP 17—21%

23%

absence  
absolute  
arriving  
article  
client  
collecting  
connection  
deliveries  
difficulty  
engineer  
enrollment  
experience  
frequently  
furniture  
graduate  
grateful  
label  
occupied  
possible  
possibly  
practicing  
purchased  
quotation  
receiving  
registered  
salary  
subscription  
succeed

22%

accent  
athletics  
business  
choir  
collection  
compelled  
consequently  
consideration  
co-operating  
coupon  
demonstrated  
design  
durable  
envelope  
equipment  
explanation  
fabric

genuine	supervision	planned	15%
hustling	surplus	probably	agency
inquires	type	relieve	allotment
installment	19%	representative	announcement
insurance	appearance	responsible	assignment
investigate	application	universal	assistance
involved	arrangement	17%	assuring
satisfaction	attempt	administrator	attorney
timothy	choosing	conclusion	electricity
21%	circulation	congratulation	encourage
actual	citizen	description	exceptional
admission	considerably	disappoint	extreme
assured	correspond	estimated	familiar
celebrate	crochet	excellent	generally
construction	difficult	government	geometry
decrease	distribution	inconvenience	grippe
discourage	equally	indicate	instructor
establish	excitement	inducement	instrument
established	expensive	librarian	literature
hastily	federation	notified	notary
investigation	numerous	operating	ordinary
mental	preliminary	presence	possess
merchandise	quantity	proposition	practical
patient	relieved	prosperous	previous
policy	straightened	readily	profitable
practice	subscriber	received	referring
qualities	sympathy	regretting	special
reliability	urge	terrible	surgery
renewal		weren't	usual
sanitary	STEP 18—16%	16%	14%
signature	18%	alumni	absolutely
variety	ability	arrival	additional
20%	accident	assortment	auditor
allowed	agriculture	assure	blizzard
assistant	algebra	attractive	completely
basis	announce	available	consultation
brief	assembly	capacity	expense
carnival	assessment	circular	foreign
commerce	attendance	crocheting	fundamental
confidence	authorized	electrical	gradually
cushion	certainly	entitled	honorable
destination	consequence	epidemic	mortgage
elsewhere	conservatory	evidence	occasion
examiner	considerable	exclusively	quantities
identify	convenient	fashionable	thesis
instruction	council	grammar	sincere
introduction	decision	individual	STEP 19—12%
judgment	development	invitation	13%
legislation	examination	merely	applicant
magazine	girlie	ree'd	association
natural	inferior	remembrance	assume
politics	institution	remittance	canvass
preparation	introduced	successful	communication
receipt	knowledge	supervisor	constitution
regularly	meter	territory	co-operative
superior		welfare	

cordial  
demonstration  
disagreeable  
duplicate  
employee  
finally  
illustrated  
impression  
necessity  
organization  
premium  
profession  
senior  
social

12%

acquainted  
agricultural  
anxious  
bulletin  
compliment  
co-operation  
disease  
error  
executed  
exhibit  
glorious  
majority  
merit  
naturally  
orchestra  
similar  
university  
unusually

11%

acquire  
administration  
anniversary  
confirm  
contemplating  
correspondent  
customary  
disappointed  
disappointment  
enormous  
exhausted  
favorably  
illustrating  
immense  
material  
opportunity  
particularly

physical  
privilege  
recommend  
specification  
thorough  
usually

10%

assurance  
bonus  
circumstances  
commercial  
enthusiastic  
executive  
fraternally  
guaranteed  
journal  
possession  
practically  
recommendation  
response  
satisfactorily

STEP 20—8%

9%

accompanying  
accomplished  
activity  
advisable  
affectionately  
annual  
approval  
assigned  
associated  
certificate  
circuit  
equipped  
extension  
illustration  
immediate  
leisure  
mechanical  
principle  
substitute

8%

acceptance  
accordance  
annually  
authority  
campaign  
character  
civics

committee  
continuous  
definite  
definitely  
fortunate  
Hallowe'en  
immediately  
interfere  
occasionally  
original  
principal  
prosperity  
tuberculosis  
unusual

7%

actually  
affidavit  
analysis  
appreciated  
appreciation  
commissioner  
conveniently  
cordially  
exhibition  
extremely  
institute  
materially  
necessary  
official  
originally  
personally  
phosphorus  
pneumonia  
possibility  
referred  
soliciting  
unnecessary  
vicinity  
zephyr

STEP 21—6%

6%

accommodate  
acknowledge  
ambitious  
appreciate  
candidacy  
confirmation  
correspondence  
enthusiasm  
especially

guarantee  
maturity  
responsibility

5%

accredited  
attitude  
convenience  
courteous  
efficient  
essential  
exceptionally  
physician  
professional  
science  
specially  
sufficient  
various

STEP 22—4%

4%

acquaintance  
appreciating  
associate  
chautauqua  
commission  
community  
financial  
ingredients  
license  
rheumatism  
solicit  
thoroughly

3%

anticipating  
bureau  
efficiency  
lieutenant  
politician  
schedule  
sincerely

STEP 23—2%

appendicitis

STEP 24—1%

anticipate  
apparatus  
peculiarities  
scientific

STEP 25—0%

characteristic



**SECTION XII**  
**THE IOWA SPELLING SCALE**  
**GRADE V**



## GRADE V

### STEP 1—100%

all	corn
and	could
at	dear
baby	did
book	dinner
but	door
come	dress
day/	each
good	every
got	fast
hand	fish
have	five
he	game
her	go
his	going
how	happy
is	hard
it	home
let	hunt
lot	in
may	July
old	kind
read	lake
run	land
say	last
see	letter
this	like
three	little
up	long
we	look
what	love
will	make
wish	man
with	May
wood	Monday
year	mother
your	must

### STEP 2—99%

age	Nov.
are	on
ball	out
barn	over
be	place
big	play
boy	rich
by	said
call	seven
came.	she
can	ship
card	snow
	state
	tell

thank  
that  
thing  
think  
top  
under  
was  
way  
winter  
work

### STEP 3—98%

add  
am  
away  
bank  
bell  
bill  
box  
bring  
cake  
calling  
car  
care  
cash  
clear  
dark  
do  
dog  
east  
feet  
food  
foot  
from  
gate  
gold  
had  
hay  
head  
help  
however  
ice  
if  
inside  
into  
just  
day  
men  
much  
nine  
oil  
one

park  
saw  
saying  
school  
show  
silk  
so  
south  
spend  
spring  
store  
taken  
ten  
the  
them  
then  
train  
walking  
wall  
why  
would  
yet  
yourself

### STEP 4—96%

97%

about  
after  
ago  
along  
apple  
asking  
back  
bed  
bee  
blow  
brother  
butter  
city  
class  
clean  
count  
cow  
cut  
dance  
date  
down  
earth  
end  
fall  
farm  
fat

fell	time	half	working
fire	to-day	hall	yard
free	to-night	heat	
gave	two	hen	STEP 5—94%
get	us	hill	95%
give	very	hold	added
grade	walk	inch	afternoon
has	wash	joy	art
hat	well	king	asked
hot	whatever	large	backing
ill	where	late	banking
ink	white	lost	bay
June	who	mail	bean
kindly	within	market	below
left	world	mean	beside
light	you	mill	black
live	96%	move	blank
longer	adding	note	boat
looking	an	number	brick
made	as	our	cannot
milk	bad	pine	change
more	became	point	coal
most	best	poor	cream
Mr.	better	print	cup
night	bird	rain	dead
north	block	reader	Dec.
nut	blue	reading	eat
off	bright	real	Feb.
once	cap	road	felt
outside	case	same	filling
page	cat	sell	finding
papa	cent	short	Friday
pay	chair	side	frost
pig	children	sister	girl
put	coat	spell	glass
red	cold	spelling	grass
rent	cook	standing	ground
river	cover	stone	grove
rush	covering	summer	handy
sand	dad	Sunday	him
seen	delay	table	hog
send	doing	thanking	hour
sheep	dust	there	house
should	early	till	hunting
sick	ever	toy	Jan.
six	face	tree	kid
some	farming	used	landing
stand	faster	want	law
stay	fellow	war	lived
such	fill	washing	low
sun	for	water	mad
sweet	found	went	March
take	fun	west	meat
tent	glad	wheat	morning
they	goldfish	when	mud
thinking	grand	wide	myself
	green	window	

name	cross	slow	list
near	darling	son	liver
net	deep	song	lives
never	died	soon	load
nice	don't	sport	loved
of	drive	stamp	luck
oldest	even	stated	mark
paper	eye	stick	master
part	far	stop	mate
pen	fight	swell	money
picture	first	teaching	mouth
playing	fishing	teeth	new
price	fit	ticket	noon
ready	forget	trip	nothing
rest	glove	upon	oats
rice	gone	wake	oh
ride	great	warm	painted
rock	keep	wife	pass
Sat.	kiss	willing	post
sent	lady	worked	postage
shoe	larger	yellow	press
singing	leader	yes	quick
sink	leave		rule
sleep	leg	STEP 6—92%	sack
sound	life	93%	saved
start	longest		seed
storm	looked	act	seeing
stove	ma	alone	sending
teacher	meal	any	set
telling	mine	anyone	seventy
thin	no	aside	silver
took	now	bake	sir
unable	Oct.	become	sit
were	older	belt	small
wind	open	board	soft
wise	or	body	soil
without	overcoat	boxes	spending
worker	party	camp	spent
	pick	can't	stage
94%	pie	child	started
able	pin	colder	staying
above	proper	cool	still
ahead	rail	crop	stood
air	reach	done	sugar
also	remove	eight	supper
arm	report	father	teach
around	room	flat	test
ask	rose	fort	town
banker	round	four	walked
bat	rust	goat	week
bear	sad	hair	whenever
because	safe	handed	while
behind	sat	handle	yearly
belong	shall	hear	zone
contest	sin	himself	92%
cost	slip	inches	another
country		lesson	April

army	sold	paint	flower
ate	spot	pump	garden
basket	talking	queen	gift
birthday	these	rubber	glasses
cattle	told	snowed	growing
check	trust	soap	hang
cleaning	twenty	something	harder
clock	western	sorry	harvest
close		speak	here
December	91%	sum	hit
die	alive	sunshine	holding
drop	aunt	taking	income
easily	band	talk	itself
egg	beat	tenth	kindness
fence	been	than	kitten
fine	being	tip	know
forgot	branch	tire	lace
form	bringing	ton	listed
fur	buy	true	lump
grant	cane	trunk	marking
heating	charge	try	nation
helping	chart	Tuesday	nearly
job	church	unless	neck
jump	clay	wanted	none
kill	coffee	wanting	noted
kinder	danger	washed	November
lumber	deal	welcome	office
next	deed	wheel	ours
only	depend	win	outfit
other	dream	wire	person
pack	enough	wishing	pure
packing	feed	wonder	range
paying	fifty	write	rank
people	friend		rate
picking	given		recover
pillow	ha	STEP 7—88%	remain
pink	hardly	90%	remark
planted	heavy	Aug.	rented
plate	high	blood	retain
please	hole	both	return
plow	homesick	brought	shame
pocket	horse	brush	shape
pound	January	bunch	sort
pride	keeping	burn	space
printed	lame	called	station
railroad	largest	catch	steam
recall	lunch	chum	study
renter	mailed	classes	tank
seat	matter	club	thereafter
self	meet	content	those
September	mostly	county	thus
shipment	moved	dearest	trained
shop	music	dresser	use
sickness	nobody	farmer	wagon
smart	order	fear	wet
snowing	oven	file	wild
	own		

## The Iowa Spelling Scales

room	protest	lift	finger
word	quilt	lovely	ford
word	race	membership	forgive
everyday	rained	met	frame
1945	reader	newspaper	goose
1946	roof	nose	grandma
1947	row	October	grew
1948	settle	passing	hearing
1949	shortly	per	herself
1950	shut	plan	inasmuch
1951	sixty	raw	learned
1952	size	right	learning
1953	speaker	ring	leaving
1954	stranger	sale	Miss
1955	street	saving	miss
1956	strongest	selling	month
1957	suit	Sept.	noise
1958	sure	skate	orange
1959	temple	snap	otherwise
1960	thick	spoke	pleased
1961	travel	starting	posted
1962	trying	step	prevent
1963	understand	stunt	printer
1964	watch	team	quart
1965	weak	thankful	raised
1966	woven	thought	removed
1967	young	tie	respect
1968		township	roll
1969	agree	track	seventh
1970	bet	turkey	share
1971	blame	uncle	shot
1972	cheer	understanding	sight
1973	Christmas	united	someone
1974	closer	vote	somewhere
1975	cord	wrote	stock
1976	counting		tend
1977	enter	across	tile
1978	evening	again	title
1979	everyone	agent	trace
1980	fair	always -	treat
1981	finish	apart	trusting
1982	follow	asleep	
1983	football	awhile	STEP 8—84%
1984	force	Bible	86%
1985	forest	boss	almost
1986	former	bother	amount
1987	front	build	answer
1988	funny	calf	anything
1989	garment	charming	begin
1990	grain	chicken	behalf
1991	gray	cloth	bid
1992	grown	coin	bite
1993	holder	crib	cleaner
1994	hoped	dandy	coasting
1995	I'm	family	cotton
1996	indeed	feeling	death

deliver	court	clothing	83%
demand	damp	cloudy	active
doctor	dare	company	address
draft	dearly	dispose	ans.
eve	depending	does	badly
exchange	dressed	enjoy	beet
failed	drew	fancy	beg
figure	drill	feeding	bit
finished	edge	folder	broken
gown	greatest	forth	bugs
grandfather	grind	frankly	builder
hardware	heap	fresh	candle
held	honest	glee	changed
history	household	having	clever
improve	inform	heard	colt
knew	invited	higher	conduct
learn	island	hundred	copy
making	killed	I'll	drilling
match	kisses	improved	eighteen
moving	labor	inclosed	excuse
named	leather	iron	extent
need	locate	joke	field
pain	lower	least	formed
peace	nature	loaded	gladly
pending	overlooked	lone	hereafter
poorly	pa	lonesome	hotel
power	painting	loud	inclose
rack	pair	lung	lighting
raining	plum	meantime	located
reaching	porch	member	lucky
renew	present	merry	maple
renting	reported	mighty	meeting
rug	riding	monthly	middle
sample	rolling	nap	northern
scout	Saturday	nicely	offering
sock	seem	produce	packed
tested	sometime	proud	payment
thereof	third	provide	pearl
thread	thousand	raise	plain
too	Thursday	record	prize
twice	treated	repair	ranch
value	turn	request	respond
velvet	waited	rod	returned
wear	whole	shade	rough
won	wishes	sheet	scale
	withdraw	showed	second
absent	84%	simple	single
anywhere	afraid	since	sixth
belonging	August	smaller	slipper
building	auto	somewhat	sooner
carpet	battle	stair	thirty
cast	bench	strongly	to
cause	between	taxes	treatment
caused	branches	their	vacation
chance	brown	tried	visit
contain	bushel	weather	witch
cottage	chill	wished	won't

writing	twelve	setting	charged
youth	understood	spread	climate
zero	voter	square	comfort
	waiting	steel	comply
82%	wearry	subject	cousin
action	wedding	talked	dealer
afterward	whereby	tread	dealing
already	women	valley	deeply
among	wonderful	voice	deserve
boiler	yoke	waist	dose
broad		which	expert
broke		worm	extend
cleaned	STEP 9—79%		feeder
cure		80%	fifth
decline	81%	afloat	foolish
delighted	advance	anyway	frozen
eighty	anyhow	artist	germ
elect	blew	breakfast	guess
everybody	button	bridge	homestead
flesh	buyer	cheap	informed
floor	caught	corner	judge
froze	central	cutting	listen
fruit	chain	delivered	main
gaining	clearly	directed	moment
globe	damage	English	obtained
granted	daughter	fixed	penny
herewith	degree	greater	postal
instead	enclosed	greatly	power
joyful	find	health	product
kindest	finest	hers	public
lamb	flour	hurt	reached
leaf	folk	junk	reason
liberty	fuel	likewise	recovered
lie	gallon	mass	remind
living	greeting	mend	season
mountain	haven't	needed	serve
Mrs.	helped	needle	speed
neat	hence	nevertheless	stamped
obtain	later	notice	student
ocean	laugh	o'clock	suitable
officer	mind	ordering	throw
pencil	mister	pools	trouble
pretty	nearer	post office	turned
program	nor	potatoes	union
prove	opening	raising	upper
proved	outlined	repeat	valued
provided	payable	sew	visited
question	phoned	shed	wait
requested	played	strike	whom
rip	prevented	studies	wrong
rushed	production	though	
scare	quickly	trade	78%
several	reduce		answering
stuff	refuse	79%	beef
throat	retail	amounting	chapter
through	seal	before	crazy
tiny	seemed	bottom	daily
		carried	

dancing	herein	movement	74%
dread	insist	perfect	acre
election	intend	permit	actor
factory	joined	plainly	anybody
farther	lbs.	primary	attend
fix	now	reaches	backed
fourth	nerve	scrap	barrel
fully	nurse	sis	beauty
gas	odd	training	beyond
German	opened	truly	buying
grit	ought	until	captain
handling	past	watching	color
idea	placed		coy
inspect	pleasure	75%	enclosing
isn't	proven	although	except
jar	rabbit	animal	explained
kitchen	require	appear	further
knowing	tax	ashamed	gee
language	weekly	Ave.	handled
latest	weigh	beaten	highest
latter	weight	begun	improving
liked	woman	birth	inviting
message	Xmas.	changing	ivory
package		checking	known
perhaps	STEP 10—73%	coach	length
reply	76%	creep	local
returning	abstract	ease	measure
sash	answered	factor	million
score	bigger	forty	misses
skating	built	fourteen	needing
slide	bulk	friendly	owner
steady	capital	gained	picnic
that's	cheaper	gland	profit
tired	checked	helpful	rapid
visiting	clerk	its	recite
we'll	cough	level	relation
worse	dairy	linen	relationship
77%	detail	manage	section
acted	dodge	notion	secure
blessed	eager	object	silence
busy	else	ordered	skirt
cheerful	figured	organ	soldier
coming	freeze	owing	sore
contract	furnish	parlor	statement
couple	grip	providing	taught
direct	headache	ribbon	throughout
eleventh	housekeeping	slept	to-morrow
enclose	intended	sorrow	towel
excited	join	stating	unpaid
explain	kept	term	73%
extra	lecture	together	agreed
fashion	loving	touch	await
favor	machine	useful	chairman
gain	married	view	closing
habit	mistake	worst	collar
handsome		writer	cooler



covered	holiday	rainy	couldn't
deportment	hospital	remember	delivery
disposed	inclosing	says	director
dreadful	include	serving	district
during	intention	sleet	doubt
enjoyed	invoice	suffering	Dr.
expected	ladies	Tues.	example
famous	namely	winner	expressed
French	owe	workmanship	fitted
furnished	parties	70%	fortune
gasoline	per cent	admit	forwarding
hare	promised	advice	geography
healthy	putting	awaiting	grocery
including	quit	blooming	headquarter
investment	recess	bluff	important
letting	reduction	booth	improvement
lodge	regard	buggy	insert
lonely	reserve	butcher	I've
oblige	sewing	delightful	lowest
perfectly	shipping	desire	manner
piano	shoulder	earnest	minute
property	stayed	explaining	normal
prospect	supply	fullest	obliged
quarter	uniform	furnace	quite
regulation	wage	graze	recently
saddle	71%	happened	refreshment
saver	addresses	loss	refused
settlement	advise	model	sign
shock	alley	neglect	sitting
submit	barley	nineteen	surface
Thanksgiving	began	parent	topic
traveling	break	placing	waste
voting	carrier	presented	watched
72%	cities	problem	worry
apply	containing	progress	yourselves
baking	continue	quoted	68%
base	delayed	reduced	adjust
bog	desired	rye	advising
careful	dice	scarce	ample
cigar	dirty	seller	aware
correct	fitting	served	believe
crowd	foundation	server	chose
curtain	furnishing	spare	common
devoted	gentleman	sweater	condition
discovered	handkerchief	Wednesday	consist
dwelling	hoping	we've	contained
earning	human	wouldn't	credit
elected	husband	you'll	employed
enjoying	illness	STEP 11—66%	fairly
entering	increasing	69%	forenoon
feel	knot	according	forgotten
fever	likely	aid	friendship
fifteen	limb	balance	fund
film	loyal	calm	hurried
flavor	owned	cement	I'd
forward	pavement		inquire
	pupil		

jury  
location  
performed  
prepaid  
properly  
requesting  
result  
settled  
shown  
stories  
struck  
success  
wasn't

67%

adjustment  
boarding  
circus  
companion  
dangerous  
fault  
fern  
figuring  
forwarded  
included  
information  
ironing  
method  
promise  
recent  
regret  
remained  
simply  
standard  
wondering

66%

account  
addressed  
attending  
breaking  
burden  
colored  
debate  
dependent  
expecting  
February  
ideal  
industry  
maybe  
modern  
neighbor  
noticed  
passed  
pertaining  
private  
protected  
queer

rapidly  
remembering  
renewed  
seldom  
suppose  
utmost  
written

65%

ache  
aim  
attention  
closely  
convention  
current  
debating  
due  
education  
entirely  
entry  
fare  
hadn't  
instruction  
item  
loan  
neglected  
pattern  
preparing  
prompt  
promptly  
running  
search  
select  
text  
tickled  
tight  
wearing  
weighed

64%

allow  
arrive  
avenue  
average  
bowl  
cherries  
chief  
collect  
crippled  
domestic  
entitle  
fee  
hereby  
interested  
minister  
offered  
ourselves  
prepare

produced  
required  
shipper  
smooth  
surprise  
taste  
therefore  
toward  
tract  
using  
worthy

63%

addition  
against  
ankle  
complaint  
constant  
depot  
didn't  
direction  
directly  
entered  
entertainment  
exciting  
following  
general  
gentlemen  
gotten  
group  
hasn't  
hello  
honor  
interest  
period  
prayer  
replying  
separate  
struggle  
tanning  
violin

STEP 12—58%

62%

ability  
advanced  
avoid  
blackberries  
carefully  
creamery  
daddy  
describe  
duties  
entertain  
entire  
favorable

followed  
guide  
independent  
lately  
lining  
management  
moral  
oversight  
parcel  
piece  
proceed  
proof  
regular  
remit  
rifle  
strict  
surprised  
total  
trial  
you'd

61%

advised  
automobile  
biggest  
calves  
choice  
concluded  
conversation  
cute  
decide  
deposit  
deserved  
difference  
final  
musical  
ninth  
preacher  
promotion  
quality  
quiet  
regarding  
whose

60%

advantage  
adventure  
argument  
Bro.  
comfortable  
complete  
confined  
consider  
continued  
debt  
extended  
factories  
future

ghost  
gravy  
inspector  
instant  
interesting  
limit  
lose  
madam  
mamma  
national  
published  
reputation  
shopping  
sire  
slightly  
studied  
vision

59%

alfalfa  
channel  
connected  
contemplated  
decided  
destroyed  
different  
excess  
feature  
firm  
funeral  
laid  
liberal  
maintain  
mention  
natural  
notify  
operation  
pardon  
position  
presume  
procured  
remembered  
republican  
ruin  
satisfied  
service  
style  
supplied  
usual  
whether

58%

appeal  
appeared  
aren't  
braid  
cabinet

capable  
clothe  
connecting  
contrary  
control  
correctly  
doubtless  
either  
enrolled  
entertaining  
favored  
forced  
garage  
growth  
honestly  
loose  
lovingly  
machinery  
manufacture  
mentioned  
misunderstanding  
patent  
pleasant  
prepared  
priced  
register  
represent  
telephone  
theatre  
volume

57%

adjusted  
author  
billed  
cellar  
confer  
division  
drama  
federal  
filing  
installed  
manager  
nephew  
pastor  
president  
prevail  
publication  
secured  
signed  
transfer  
transportation

56%

appointed  
arrange

assure  
cedar  
choose  
considering  
convince  
courage  
crew  
enroll  
exact  
expired  
freight  
furniture  
graduating  
guest  
impossible  
instructed  
junior  
manufacturing  
operated  
popular  
purchase  
refer  
selection  
slight  
studying  
supplies  
vacant  
worried

55%

accept  
advancement  
advertise  
agreeable  
attended  
bass  
collecting  
commence  
concert  
constantly  
effort  
failure  
female  
inclined  
instruct  
liable  
limited  
missed  
publisher  
rendered  
series  
shipped  
special  
transit  
treasurer  
valuable

STEP 13—50%

54%

affair  
awful  
considered  
corrected  
correction  
credited  
doesn't  
effect  
generous  
hesitate  
internal  
library  
liquid  
losing  
neighborhood  
neither  
particular  
possible  
purpose  
receive  
refund  
reliable  
represented  
requirement  
resident  
resulting  
route  
salesman  
selected

53%

advertised  
article  
assist  
automatic  
carrying  
concerning  
consideration  
course  
humor  
increase  
jobber  
largely  
nickel  
patient  
Prof.  
quotation  
reference  
serious  
stomach  
straight  
support  
supposed  
worrying

52%	actual	hauled	beginning	label
	cashier	justified	booster	notified
	catalogue	manual	fierce	quote
	certain	niece	hustling	securing
	crowded	really	investigation	themselves
	discourage	satisfaction	Latin	44%
	disgusted	situation	moderate	arriving
	earliest	stationary	personality	attraction
	exactly	49%	prefer	circulation
	exam.	arrival	rural	conference
	federation	benefit	strictly	customer
	formerly	certainly	tatting	elsewhere
	graduation	coarse	46%	fortunate
	increased	confident	advertising	frequently
	introduction	convinced	all right	honorable
	medicine	enrollment	attach	meant
	operating	exception	banquet	mere
	opinion	favorite	compelled	obligation
	personal	instance	cushion	policy
	practice	involved	data	purchased
	reasonable	literary	decrease	reception
	regardless	occupied	difficulty	reservation
	slippery	opera	envelope	suggest
	telegram	organized	establish	45%
51%		positive	expensive	accident
	absence	remedy	fashionable	brief
	adopted	satisfactory	happiness	celebrate
	bracelet	splendid	nervous	citizen
	calendar	succeed	ninety	combination
	college	system	process	established
	confidence	vary	relative	glorious
	connect	48%	sanitary	grammar
	copies	applied	society	influence
	desiring	attempt	source	issue
	discontinued	believing	succeeded	planned
	durable	circular	talent	practical
	employer	composition	terrible	profitable
	encourage	connection	type	realizing
	expression	considerable		relieved
	imagine	democrat	STEP 14—42%	timothy
	realize	democratic	45%	universal
	safety	good-bye		42%
	spirit	haste	absolute	auntie
	strawberries	importance	altogether	available
	subscriber	numerous	amendment	canned
	weren't	patron	approved	collection
50%		raiser	assured	congratulate
	arrived	respectfully	cartoon	destination
	bargain	responsible	choosing	difficult
	commerce	strength	Christian	electrical
	construction	wholesale	concern	ere
	deliveries	47%	conclusion	examine
	easily	accomplish	develop	government
	extensive	announce	equally	gratitude
	graduate	attached	exercise	heretofore
		attain	inducement	

introduced	disease	supervision	resource
invitation	estimated	welfare	supervisor
justify	examined	35%	31%
knowledge	impression	appreciate	absolutely
mental	received	assurance	accordingly
previous	representation	ballot	assistance
qualities	social	basis	auditor
receiving	submitted	distribution	commercial
regularly	superintendent	engineering	council
resigned	33%	heir	existing
salary	barely	prosperous	foreign
stopped	considerably	quantity	magazine
university	design	34%	politics
41%	equipment	assistant	various
allowed	expense	fabric	vicinity
companies	experience	illustration	
explanation	instrument	installment	STEP 16—27%
grateful	material	merit	30%
indicate	registered	rec'd	administration
instructor	renewal	reliability	advisable
insurance	Sabbath	variety	allotment
international	semester	35%	announcement
profession	signature	activity	circumstances
sincere	subscription	based	crocheting
40%	superior	canvass	demonstration
anxious	urge	conservatory	exceptional
assortment		co-operative	executed
awfully	STEP 15—34%	crochet	illustrated
blizzard	37%	demonstrated	inquiry
business	application	electricity	journal
candidate	authorized	excitement	organization
congratulation	coupon	hastily	principal
contemplating	description	literature	principle
etc.	development	meter	remembrance
generally	disagreeable	notary	similar
identify	disposal	presence	29%
investigate	engineer	prior	acquire
legal	entitled	registration	actually
possibly	error	secretary	assuring
readily	majority	sympathy	athletics
relieve	merchandise	32%	enormous
satisfy	proposition	attendance	fundamental
sense	successful	client	girlie
suggested	36%	compliment	institute
surplus	advertisement	consequently	naturally
territory	agency	consultation	possess
39%	arranged	duplicate	response
agriculture	confirm	employee	straightened
ambition	disappoint	examination	thesis
appointment	evidence	inst.	unusual
assembly	favorably	issued	28%
attractive	genuine	ordinary	acquainted
choir	merely	planning	arrangement
confirming	organize	practicing	assignment
co-operating		preliminary	completely
corporation			convenient

co-operation	confirmation	mortgage	14%
examiner	cordially	occasion	analysis
excellent	decision	physical	appreciated
extreme	disappointment	solicit	enthusiasm
finally	epidemic	19%	immediate
gradually	exhibit	accompanying	possession
orchestra	familiar	bonus	tuberculosis
particularly	geometry	campaign	STEP 19—12%
permanent	illustrating	cordial	13%
preparation	interfere	correspondent	executive
quantities	sincerely	license	apparatus
senior		professional	authority
substitute		specification	thoroughly
X-ray	STEP 17—21%		12%
27%	23%	STEP 18—16%	accommodate
additional	acquaintance	18%	associate
administrator	annual	appreciating	courteous
admission	annually	bureau	peculiarities
applicant	association	convenience	phosphorus
civics	essential	exceptionally	11%
commission	exclusively	extension	affectionately
consequence	exhausted	Hallowe'en	ambitious
evidently	grippe	legislation	politician
inquires	maturity	necessity	specialty
institution	necessary	pneumonia	10%
premium	opportunity	17%	anniversary
receipt	remittance	accomplished	conveniently
satisfactorily	representative	affidavit	recommendation
usually	unusually	appreciation	STEP 20—8%
26%	22%	commissioner	9%
algebra	assigned	community	definite
appearance	certificate	inconvenience	ingredients
assume	character	originally	materially
correspond	communication	practically	8%
immense	enthusiastic	recommend	chautauqua
judgment	librarian	referred	committee
official	personally	scientific	definitely
physician	privilege	unnecessary	zephyr
probably	regretting	16%	7%
thorough	science	candidacy	anticipating
25%	surgery	capacity	guarantee
attitude	21%	efficient	rheumatism
carnival	assessment	exhibition	soliciting
constitution	especially	financial	STEP 21—6%
continuous	extremely	guaranteed	6%
customary	inferior	immediately	efficiency
disappointed	mechanical	leisure	lieutenant
equipped	prosperity	sufficient	5%
individual	responsibility	15%	appendicitis
occasionally	20%	acknowledge	schedule
original	acceptance	anticipate	STEP 22—4%
possibility	accordance	correspondence	4%
24%	agricultural	fraternally	characteristic
alumni	associated	referring	
approval	attorney		
bulletin	circuit		



**SECTION XIII**  
**THE IOWA SPELLING SCALE**  
**GRADE VI**



## GRADE VI

STEP 1—100%		STEP 2—99%	
age	long	able	got
and	may	about	grass
as	me	add	green
away	more	all	hard
best	most	along	have
big	must	am	head
bill	my	an	help
book	name	apple	hold
boy	old	are	holding
but	on	at	ice
call	one	back	in
can	out	bad	inside
care	over	ball	into
clear	place	bank	July
cover	put	be	land
dear	read	bell	last
did	reader	better	lay
dog	real	bird	letter
door	rest	black	light
dress	run	blank	like
each	said	blow	little
end	same	box	lot
ever	say	butter	love
fast	see	check	made
father	she	child	make
feet	should	city	man
found	stand	clean	May
from	tell	coat	milk
get	thank	cold	Monday
give	that	come	move
go	the	cook	much
gold	them	corn	myself
good	they	could	never
grand	thing	day	not
happy	this	deal	nut
has	train	dinner	oil
he	tree	do	other
helping	under	doing	park
his	walk	down	pay
hog	walked	eat	peach
home	was	even	play
how	way	face	rain
if	we	farm	rich
is	went	farming	ride
it	what	faster	ring
just	when	fat	rock
lake	will	fire	rust
large	wish	fish	saying
larger	with	five	school
let	working	food	sell
live	year	girl	send
			seven
			ship

show	battle	however	sand
singing	because	hunt	saw
small	bee	ill	seed
snow	brand	ink	seeing
so	bring	Jan.	shall
soil	brother	June	sheep
some	bunch	keep	sick
spell	by	kind	sickness
sport	cake	labor	silk
state	came	lady	slow
stay	cannot	late	soon
stone	car	law	south
table	card	life	spelling
take	case	lived	spend
taken	changed	longer	spot
ten	class	look	spring
test	clock	looking	standing
thanking	close	lost	start
think	contest	loved	stop
three	country	mark	store
till	covering	market	stove
time	cow	master	such
top	cross	meal	summer
understanding	cut	mill	sweet
up	dark	mine	swell
us	date	money	talking
very	Dec.	mother	thinking
wagon	December	nation	to-day
washing	delay	near	ton
well	early	next	trip
west	eight	night	Tuesday
wheat	every	nine	two
while	eye	noon	unless
who	fail	note	used
why	fall	Nov.	wall
wide	fill	of	want
window	foot	off	wanting
without	for	once	week
wood	four	outside	white
work	free	page	wife
worked	Friday	paper	wild
would	game	part	wishing
yet	gave	pick	within
you	going	please	worker
your	grade	point	yard
	had	poor	yellow
	hand	post	yes
	hat	print	yourself
	hay	reach	zone
	heat	red	
	her	remove	
	hill	rent	
	him	report	
	homesick	river	
	hot	room	
	hour	rush	
	house	sample	

STEP 3—98%

after  
ago  
air  
arm  
around  
art  
ask  
bake  
barn

STEP 4—96%

97%

above  
adding  
again  
agree

alone	fur	renter	bottle
any	glad	rice	bought
asked	glass	Sat.	boxes
baby	gone	sat	braid
backing	growing	sent	burn
band	half	set	buy
banker	handy	shoe	called
banking	harder	sink	cap
basket	harvest	sister	cash
bat	held	six	cattle
bed	here	size	charge
being	high	sleep	charming
below	holder	snowed	children
beside	horse	soap	clay
birthday	hundred	sound	coast
blue	hunting	space	cool
body	joy	stick	cost
bother	killed	sum	cotton
branch	kindly	sun	dandy
bringing	kindness	talk	depend
building	landing	tank	dressed
bushel	leader	teaching	drive
calling	left	then	dust
cat	looked	thin	earning
cent	low	to-night	enter
chair	luck	took	farmer
change	ma	town	few
Christmas	mad	treat	figure
clothing	mail	try	first
coal	maker	unable	flower
coin	meat	walking	forget
count	morning	wash	fort
counting	Mr.	water	friend
crop	net	whatever	fruit
dance	north	where	garment
danger	number	wind	gate
deep	office	winter	gather
display	only	wire	gift
dollar	our	write	given
done	oven	yearly	glasses
drop	overcoat		grain
earth	pack	added	great
east	party	ahead	ground
edge	people	alive	hang
far	per	also	hate
feed	picture	another	himself
fell	pig	anyone	hit
fellow	pin	asking	inch
felt	pine	become	inches
fifty	plate	behind	income
fight	playing	belonging	jump
finding	pound	belt	kid
fishing	price	block	kinder
forgot	proper	blood	king
form	rail	board	learn
fun	reading	boat	leave
	ready	boss	leg

96%

lesson	slip	degree	rented
lift	smart	delighted	renting
listed	soft	died	rolling
longest	sold	draft	rose
lunch	song	dream	rule
mailed	spent	drew	seat
March	spoke	eighty	seem
marking	stamp	enough	seen
mouth	started	evening	self
mud	stated	Feb.	selling
music	station	fence	Sept.
newspaper	study	filling	shame
nice	sunshine	follow	shipment
no	Sunday	forgive	side
nothing	supper	former	sin
ocean	teacher	frost	snowing
Oct.	telling	glove	son
October	tent	goat	sort
older	than	goose	spending
oldest	third	grove	step
or	track	handle	stood
order	trained	hear	stump
outfit	trunk	heating	sugar
paint	war	hereafter	taking
papa	were	inspect	teach
paying	whenever	job	teeth
payment	willing	kill	tenth
person	wise	kiss	tested
phone	wool	learned	thereafter
pink	word	leather	these
pleased	worth	liver	thick
printed		maple	thousand
provide		mate	ticket
pure	STEP 5—94%	mean	tire
quart	95%	meet	told
raised		meeting	trace
rate	act	mend	true
reached	bay	moved	trust
remain	bet	new	trusting
remark	blame	now	twice
request	booklet	obtain	understood
return	born	oh	value
road	brick	open	wake
roof	bridge	otherwise	watch
row	brush	own	win
sack	calf	painted	world
sad	camp	passing	young
saved	carpet	pen	94%
sending	chicken	pie	advance
settle	cities	plain	afternoon
sheet	club	pole	always
shop	company	press	amount
short	cord	pump	army
shut	cup	quick	aunt
simple	dad	range	auto
sir	darling	rank	beat
sixty	dead	recover	become
	dearly		

been	offering	awhile	many
between	pain	bear	matter
bright	partly	began	member
brought	pass	bench	might
build	payable	branches	mighty
catch	pending	broken	nature
center	pillow	chain	nerve
chart	post card	chop	nicely
cleaning	power	church	nose
cloth	pride	cleaned	overlooked
coffee	pull	closed	pa
contract	railroad	colder	packing
cooking	rained	content	painting
crib	recall	copy	pair
dare	removed	correct	plenty
dealing	reported	cottage	pocket
depending	round	court	postage
discount	rushed	cream	prevent
doctor	scout	cure	printer
egg	season	damage	protest
English	seventh	daughter	ranch
enjoy	seventy	dearest	reaching
feeding	silver	death	repair
file	skate	deed	respect
finish	something	don't	retain
finished	sometime	dresser	rod
fit	somewhat	drug	rubber
flat	sorry	drum	September
funny	speak	easy	serve
garden	stage	enclose	share
getting	steam	everybody	shortly
gladly	still	exchange	showed
goldfish	street	fact	sit
grant	strongest	farther	slipper
granted	subject	fine	smaller
greater	thankful	folder	somewhere
hall	those	folk	sooner
hardly	thread	fully	speaker
heap	trying	gain	starting
heavy	twenty	gallon	staying
hen	upon	ha	stranger
January	vacation	hair	tend
joyful	vote	handed	there
kitchen	weather	happen	Thursday
kitten	western	hearing	tip
know	wet	herewith	training
lame	whereby	history	twelve
least	wrote	indeed	union
list		island	united
load		jar	valued
locate		leaves	weak
lower		liberty	wedding
lump		likewise	welcome
match		loaded	withdraw
nearly		located	yesterday
noise		lone	
oats		lovely	

STEP 6—92%

95%

agent  
answer  
anything  
asleep  
ate

92%	largest	cleaner	requested
address	learning	closer	requesting
already	less	cloudy	require
appear	living	cutting	respond
April	loyal	delightful	rug
aside	merry	demand	sale
August	moment	desire	saving
author	mostly	elect	scale
bean	named	eve	second
before	nearer	everyone	snap
belong	neck	everything	stock
bite	need	extend	taught
both	nobody	extra	tax
broke	officer	fear	team
busy	ordering	feeling	their
cane	patch	fixed	thought
can't	planted	forest	tile
carry	present	freeze	title
cast	printing	French	to
caused	production	froze	treated
charged	proved	frozen	understood
checking	public	gained	washed
chum	queen	greeting	wear
classes	reason	grown	whole
contain	renew	having	
cooler	returned	hence	STEP 7—88%
county	safe	herself	90%
damp	shed	hole	acting
dated	shot	including	aim
does	sixth	ivory	almost
dozen	square	joke	ashamed
drill	strongly	judge	Aug.
duty	studies	knowing	beef
expert	trade	leaving	bid
express	uncle	listen	builder
family	use	lives	changing
fancy	visit	location	cheap
filled	waited	mailing	cheaper
flesh	waiting	membership	coasting
fresh	wanted	mind	conduct
friendly	wheel	Miss	contained
front	which	news	continue
grandfather	wished	none	corner
grandma	wonder	normal	daily
gray	wrong	package	deeply
higher	zero	plow	die
honest		pools	direct
hurt	active	postal	dispose
instead	among	product	dread
invited	answered	program	ease
iron	anybody	provided	enjoyed
itself	beg	race	excuse
join	behalf	raise	extent
joined	Bible	reduce	factory
keeping	broad	remind	failed
kisses	chance	render	fair
lace	chapter	reply	

favor	turn	meantime	improve
flavor	turned	mistake	inclosed
floor	velvet	nap	increasing
formed	voter	notice	industry
frame	watching	orange	inform
fuel	weary	painter	informed
gaining	weekly	pavement	intend
grind	wishes	posted	kindest
grit	woven	presented	later
heard	youth	prize	latest
hoped		property	local
I'm	89%	raw	message
inasmuch	absent	reduction	movement
information	action	regret	moving
junk	afraid	relation	noticed
lamb	amounting	riding	organ
lumber	answering	rip	owned
making	anyhow	score	perhaps
met	anyway	seemed	phoned
miss	anywhere	setting	placed
neat	apart	shape	plum
nor	attend	stair	properly
noted	begin	steel	proud
November	bottom	suit	recovered
object	bugs	thirty	reduced
ours	button	thus	repeat
packed	cared	together	result
pearl	central	tried	retail
pencil	cheer	valley	returning
picking	chill	won	ribbon
plan	clearly	won't	rye
played	closing		says
poorly	comfort	88%	silence
porch	deliver	acre	suffering
politics	detail	acted	talked
prove	devoted	against	text
providing	during	artist	throat
rabbit	factor	blew	treatment
reaches	feeder	boiler	trouble
reserve	foolish	careful	uniform
right	force	climate	wait
sash	German	colt	warm
seal	glee	dancing	witch
secure	helped	delivered	worm
several	hurry	dodge	
sight	idea	election	87%
someone	I'll	enclosed	across
sore	improved	except	attending
speed	intended	fashion	begun
suppose	invite	field	bigger
surface	knew	fifth	birth
temple	ladies	find	bluff
through	language	forth	cause
tie	latter	greatest	concluded
township	leaf	grew	cousin
toy	lodge	hardware	discovered
travel	loud	hotel	duties
	lung	household	example

expressed	tiny	modern	enjoying
finest	useful	Mrs.	entering
finger	visiting	narrow	firm
fix	writer	odd	fitting
ford		owe	illness
future	STEP 8—84%	pastor	inspector
gas	86%	peace	instruction
gasoline	adjust	perfect	ironing
geography	admit	permit	length
graze	advice	piano	linen
health	afterward	pleasure	main
helpful	apply	prevented	mister
highest	await	promotion	mountain
holiday	awaiting	quickly	parlor
include	barley	quoted	perfectly
inviting	beauty	rack	placing
kept	beet	saver	prepared
known	built	shade	promised
laugh	capital	skirt	prospect
lighting	carrier	stating	running
liked	checked	student	saddle
lonesome	coach	throughout	slide
lucky	common	too	steady
maid	condition	topic	though
married	credit	total	tired
middle	dairy	turkey	traveling
month	deportment	visited	voice
monthly	dice	wage	weight
northern	directed	waist	women
nurse	eager	wasn't	wonderful
offered	eleventh	whom	84%
opening	else	workmanship	advanced
powder	fifteen	worse	afloat
pretty	figured	85%	ans.
private	film	account	baking
proven	final	adopted	barrel
raising	flour	advising	beyond
rapid	following	aware	breaking
rapidly	football	badly	bulk
record	general	balance	butcher
refuse	germ	base	chairman
relationship	globe	bit	chose
reliable	gown	brown	circus
required	guess	carried	clerk
Saturday	handled	coming	clever
scare	honor	comply	collect
settlement	housekeeping	containing	color
since	ideal	conversation	dealer
single	improving	cough	decline
sock	investment	covered	district
soldier	lecture	debate	dwelling
spread	lie	deserve	forwarding
storm	lonely	directly	frankly
strike	lowest	dirty	handling
stuff	machine	disposed	handsome
submit	manage	drilling	healthy
suitable		eighteen	herein



husband	inclosing	question	prompt
inclose	knot	scarce	quantity
included	neighbor	server	reputation
instruct	notion	serving	ruin
letting	outlined	sew	secured
million	owner	sitting	select
model	parties	sorrow	sewing
needing	pertaining	standard	struck
nevertheless	proof	stories	supplied
ordered	pupil	throw	term
penny	quiet	tread	we'll
performed	quite	weighed	writing
personal	recess	worthy	80%
primary	refreshment	yoke	addition
protected	refund	you'll	aid
publisher	resulting		Ave.
regulation	roll	STEP 9—79%	average
renewed	served	81%	booth
simply	shoulder	agreeable	chief
sis	sign	agreed	convention
slept	skating	avenue	crazy
spare	success	blessed	desired
stamped	that's	bowl	direction
statement	unpaid	break	division
supply	until	captain	either
sure	written	caught	enclosing
taxes	82%	collection	excited
thereof	adventure	connect	fare
upper	boarding	considering	female
view	buyer	coy	fern
winner	candle	curtain	forwarded
worry	cement	delivery	greatly
83%	couple	dose	grip
abstract	debating	effort	group
ache	depot	excess	growth
advantage	education	expected	hospital
although	explained	expecting	inquire
ample	famous	explain	loss
animal	forward	factories	minister
appeal	foundation	fault	ought
arrange	gotten	feature	picnic
automobile	haven't	furnace	prepare
backed	headquarter	future	profit
beaten	homestead	guide	resident
breakfast	insert	headache	settled
cheerful	limb	hurried	shown
companion	limit	instructed	sleet
delayed	method	I've	utmost
elected	minute	mass	vision
feel	moral	misses	woman
fourteen	needed	needle	yourselves
fourth	neglect	o'clock	79%
fund	past	oversight	adjustment
furnishing	plainly	pattern	ankle
habit	presume	post office	attention
important	promise	problem	bog

burden	crowd	piece	towel
buying	destroyed	progress	voting
cellar	due	putting	watched
colored	forty	reasonable	75%
constant	further	regard	accept
correction	gland	regular	accomplish
crew	humor	remembering	addressed
different	instant	replying	appointment
dreadful	manufacture	republican	assist
earnest	mentioned	route	attractive
entertainment	musical	selection	biggest
favorable	namely	service	closely
favored	neighborhood	situation	connecting
fee	parent	subscriber	connection
fitted	patient	sweater	constantly
forenoon	preacher	tight	couldn't
fortune	promptly	touch	creamery
friendship	quit	truly	doubt
furnished	rainy	weigh	effect
happened	recently	worst	enroll
human	regarding	wouldn't	entertaining
intention	represent		entire
invoice	section	STEP 10—73%	exactly
manner	shipping	76%	figuring
mention	shock	applied	gentleman
natural	special	attached	hasn't
oblige	waste	attempt	honestly
obtained	Xmas.	cabinet	hoping
opened		certain	interested
reception	77%	choose	international
recite	addresses	consider	its
refused	allow	construction	moderate
remember	arrive	convince	ourselves
rendered	assure	creep	per cent
rough	buggy	domestic	position
scrap	carefully	employed	produced
seldom	certainly	entitle	publication
tanning	consist	failure	represented
telephone	current	fairly	rifle
Thanksgiving	dangerous	fullest	studied
toward	director	garage	supplies
trial	entered	gee	surprise
volume	extended	grocery	tickled
Wednesday	federal	interesting	transfer
78%	forced	level	wondering
according	handkerchief	likely	74%
actor	hare	measure	absolute
adjusted	hers	owing	automatic
blackberries	I'd	popular	avoid
blooming	installed	prayer	collar
cherries	isn't	prepaid	commerce
cigar	lbs.	priced	complaint
comfortable	loan	produce	courage
complete	loving	receive	deserved
confined	machinery	slippery	drama
crippled	obliged	smooth	entry
	particular		fever

filing importance independent internal jury laid largely loose madam manager neglected opera parcel procured quarter quote refer register seller shopping strength supervision to-morrow tract Tues. usual violin we've whose you'd	72% advertise arranged arrived attraction bargain choice circular college commence composition concern conclusion considered cute desiring durable encourage enrolled entertain entirely exception exciting expired followed freight gentlemen hesitate improvement liberal neither preparing Prof. remained rural selected shipper slight social stayed style surprised telegram therefore	consideration debt decided deposit described exam. favorite hello increased indicate interest introduced issue pardon period remembered remit satisfied splendid strict struggle supposed taste wearing	support vacant  STEP 11—66%  69% accordingly approved attain bracelet calves cedar collecting combination connected convinced copies corrected doubtless earliest enrollment February furniture graduating grammar gratitude guest lately library lovingly realize relieve satisfactory search securing serious system themselves weren't whether
73% appointed Bro. calm circulation correctly dependent difference easily extensive ghost gravy hadn't increase justified nineteen organized president proceed queer signed sire slightly spirit treasurer using	71% ability absence accident actual advise advised aren't argument booster braid channel confident	70% appeared assured awful carrying considerable contrary control course credited crowded employer explaining explanation expression forgotten funeral instance introduction Latin limited maybe medicine nervous notify occupied passed positive prevail reservation satisfaction separate straight	68% capable citizen concerning daddy discontinued elsewhere graduation invitation item liquid numerous obligation possible published really

shipped	received	cashier	doesn't
superior	salesman	choosing	evidently
67%	theater	conference	identify
advancement	transportation	customer	jobber
advertised	valuable	discourage	material
attended	64%	envelope	various
believe	additional	fabric	58%
continued	arrival	knowledge	anxious
didn't	article	lose	assistant
exact	assembly	missed	candidate
examination	clothe	possibly	compelled
examined	decide	prefer	cushion
frequently	decrease	profession	difficult
generous	deliveries	regardless	equipment
hustling	evidence	salary	excellent
impossible	genuine	sincere	exceptional
influence	happiness	suggested	investigation
manufacturing	hereby	transit	majority
ninth	honorable	61%	practice
operated	inclined	advertising	proposition
profitable	investigate	alfalfa	relative
recent	management	allowed	strictly
reference	misunderstanding	announce	successful
satisfy	patron	believing	welfare
66%	purchased	congratulate	57%
applicant	purpose	corporation	assortment
available	raiser	examiner	democratic
celebrate	realizing	expensive	electrical
companies	signature	fierce	entitled
confirm	studying	liable	equally
contemplated	worried	mamma	impression
Dr.	63%	mental	inducement
federation	affair	operation	instructor
maintain	arriving	process	instrument
national	attach	receiving	lining
opinion	banquet	reliability	literary
policy	brief	60%	manual
quotation	confer	activity	mere
remedy	design	application	meter
requirement	destination	cartoon	presence
resigned	disgusted	develop	previous
society	exercise	engineer	qualities
vary	graduate	establish	representation
wholesale	inquiry	expense	senior
65%	junior	glorious	series
agriculture	purchase	haste	timothy
alley	registered	legal	worrying
canned	respectfully	nephew	56%
concert	source	operating	character
fashionable	strawberries	safety	confidence
formerly	submitted	sanitary	development
heir		stomach	etc.
insurance	STEP 12—58%	tatting	examine
involved	62%	terrible	foreign
niece		59%	government
patent	altogether	Christian	hauled
pleasant	billed	democrat	

imagine	established	48%	co-operative
organize	exclusively	accomplished	coupon
personality	gradually	acknowledge	finally
renewal	notified	attorney	literature
stopped	particularly	consultation	merit
succeed	planning	co-operation	43%
56%	principal	disappoint	administrator
acceptance	readily	distribution	approval
ambition	suggest	electricity	auditor
amendment	supervisor	existing	certificate
bas	university	experience	co-operating
business	52%	illustrated	correspond
catalogue	advertisement	preliminary	familiar
choir	assistance	premium	journal
confirming	blizzard	relieved	legislation
constitution	calendar	Sabbath	merely
difficulty	commercial	straightened	organization
disease	data	usually	quantity
error	estimated	47%	response
extreme	responsible	congratulation	surgery
generally	sense	consequently	surplus
issued	stationary	enormous	42%
losing	talent	installment	accordance
magazine	universal	librarian	arrangement
orchestra	51%	naturally	circumstances
politics	appearance	ordinary	conservatory
prosperous	crocheting	secretary	correspondent
regularly	ere	superintendent	individual
territory	fortunate	46%	justify
type	inferior	assignment	principle
variety	label	assuring	41%
STEP 13—50%	meant	based	agricultural
54%	nickel	council	assume
assigned	practicing	disagreeable	auntie
authorized	probably	employee	demonstration
beginning	50%	exhibit	extension
benefit	admission	girlie	illustration
crochet	agency	good-bye	immense
customary	appreciate	grateful	inquires
favorably	assurance	hastily	necessary
merchandise	barely	illustrating	remembrance
ninety	carnival	preparation	subscription
occasion	coarse	resource	substitute
original	excitement	semester	unusual
possession	registration	STEP 14—42%	40%
similar	sympathy	45%	commission
succeeded	49%	administration	communication
53%	announcement	appreciation	mechanical
awfully	attendance	athletics	practically
completely	attitude	cordial	prior
considerably	contemplating	planned	receipt
decision	duplicate	practical	remittance
demonstrated	engineering	44%	39%
description	heretofore	appreciated	actually
disposal	institution	civics	continuous
	urge		epidemic

possess  
professional  
science  
specification  
vicinity

38%

advisable  
all right  
authority  
ballot  
basis  
geometry  
interfere  
rec'd  
scientific

STEP 15—34%

37%

absolutely  
annually  
associated  
exhausted  
official  
regretting

36%

acquainted  
consequence  
inst.  
judgment  
permanent  
specially  
thesis

35%

ambitious  
annual  
bureau  
client  
convenient  
cordially  
disappointed  
immediate  
institute  
personally  
physician  
possibility  
quantities  
representative

thorough  
X-ray

34%

compliment  
exceptionally  
executed  
executive  
license  
notary  
sufficient

33%

allotment  
associate  
materially  
occasionally  
opportunity

32%

acquaintance  
algebra  
courteous  
financial  
sincerely

31%

accredited  
acquire  
alumni  
association  
disappointment  
enthusiastic  
extremely  
leisure  
prosperity

STEP 16—27%

30%

circuit  
soliciting

29%

affectionately  
anticipating  
capacity  
commissioner  
unusually

28%

bonus  
community

immediately  
recommend  
referred  
responsibility  
satisfactorily

27%

bulletin  
canvass  
conveniently  
fraternally  
referring

26%

candidacy  
committee  
equipped  
inconvenience  
maturity  
necessity  
physical  
tuberculosis

25%

campaign  
correspondence  
especially  
fundamental  
privilege  
solicit

24%

anticipate  
assessment  
confirmation  
enthusiasm  
grippe

STEP 17—21%

23%

accompanying  
convenience  
essential  
exhibition  
Hallowe'en  
originally

22%

definite  
mortgage  
politician

21%

accommodate  
appreciating

20%

affidavit  
analysis  
chautauqua  
unnecessary

19%

recommendation

STEP 18—16%

18%

apparatus  
pneumonia

17%

anniversary  
appendicitis  
guarantee  
lieutenant  
thoroughly

16%

efficient  
zephyr

STEP 19—12%

13%

definitely  
phosphorus

11%

characteristic

10%

ingredients  
rheumatism

STEP 20—8%

9%

efficiency  
guaranteed  
peculiarities  
schedule



**SECTION XIV**  
**THE IOWA SPELLING SCALE**  
**GRADE VII**



## GRADE VII

### STEP 1—100%

able	fall	long	stick
about	farm	looking	stone
adding	fast	lot	such
afternoon	faster	make	take
again	fell	man	taken
age	fellow	many	teaching
air	fish	master	tell
all	five	me	test
alone	forgive	milk	that
an	from	more	the
are	gate	most	then
arm	get	mother	think
art	girl	must	thinking
asking	give	my	this
at	glove	name	time
be	go	neck	top
because	gold	net	toy
bell	good	Nov.	train
best	got	nut	tree
better	grade	old	unable
bill	grain	on	unless
black	had	one	up
book	half	out	us
box	hand	paper	very
boy	happy	park	wall
brain	have	pay	was
bring	help	people	way
but	helping	pick	we
call	her	pig	well
called	him	place	west
came	his	pleased	what
can	home	point	when
car	hot	postage	while
card	how	put	who
case	ice	reading	why
charge	if	rest	wife
class	inside	row	will
coat	into	rule	window
come	is	run	winter
corn	it	school	with
could	June	see	without
country	just	sell	word
cut	kind	send	work
day	land	she	working
deep	large	silk	year
did	last	sister	yellow
do	late	six	your
dog	left	snow	
early	lesson	some	
eat	let	space	
every	letter	stage	
eye	like	start	
fail	little	started	
	live	state	

### STEP 2—99%

above  
active  
add  
added

after	display	light	railroad
ago	doing	longer	rain
ahead	down	longest	rate
along	dress	look	reach
also	drop	love	read
am	each	loved	real
answer	earth	mad	red
any	east	made	report
ask	edge	mail	ride
away	eight	mailed	ring
baby	eighty	maker	river
back	face	market	rock
backing	farming	may	rush
bad	fat	meal	rust
band	fight	mean	sad
bank	filled	mill	said
banker	finding	Monday	Sat.
bean	fine	money	sat
bed	flat	mostly	saw
been	food	much	say
behind	for	mud	saying
belonging	found	music	seat
below	free	myself	self
big	game	night	shall
bird	getting	nine	sheep
birthday	given	north	ship
blank	glad	not	shoe
blue	going	note	short
bought	gone	notice	should
bright	grant	number	showed
bringing	green	oats	sick
brother	handed	of	sign
bunch	hang	oil	sixty
butter	has	older	slow
by	he	oldest	snowed
calf	head	our	so
cannot	hill	outside	son
cap	holding	oven	song
cash	hour	over	sound
catch	house	overcoat	spell
cent	however	pack	spend
child	ill	page	sport
children	in	paying	spot
clean	ink	payment	spring
clear	Jan.	pen	stamp
close	joy	picking	stand
cold	July	pie	standing
cost	kindly	plate	stay
cream	kiss	play	still
cross	lace	playing	store
cup	lady	please	subject
dandy	lake	poor	summer
danger	landing	press	Sunday
dear	larger	print	sweet
December	law	proper	well
dinner	leader	quick	table
discount	leave	rail	thank

thanking	April	delighted	income
them	as	died	inspect
they	Aug.	dispose	invited
thing	aunt	door	January
three	bake	drill	jump
till	ball	drug	keep
tire	bat	drum	keeping
told	battle	dust	kid
took	become	easy	kill
town	bee	end	kinder
trip	behalf	evening	kindness
trust	belt	ever	king
trusting	beside	example	labor
try	blood	exchange	ladies
twice	boat	express	lay
two	body	far	learned
under	booklet	fear	leather
use	boss	feed	life
vacation	bother	feet	lived
value	bottle	felt	liver
walk	boxes	fill	lives
want	branch	filling	living
washing	brush	finish	loaded
week	building	first	lost
went	burn	fishing	luck
were	cake	Friday	mark
whatever	calling	friend	marking
wheat	camp	fully	May
whenever	care	gift	meat
where	carpet	glass	meet
white	chair	glasses	mine
wide	chance	goat	Miss
willing	change	goose	mouth
win	check	grand	Mr.
wind	city	grandfather	nation
wise	classes	granted	near
wish	closed	great	nearly
wishing	cloth	hair	never
wood	club	harder	new
world	coal	hardly	news
would	coffee	hat	nobody
wrote	coin	hay	noon
yard	conduct	hearing	off
yes	contest	heat	once
yet	continue	heating	only
you	cook	heavy	or
zone	counting	here	other
	covering	herself	packing
	cow	high	paint
	cutting	hit	painted
	dance	hog	part
	dark	holder	party
	darling	hundred	pass
	date	hunt	peach
	deal	hunting	pine
	Dec.	inch	placed
	delay	inches	planted

## STEP 3—98%

act  
agent  
almost  
amount  
and  
another  
apple

pole	spelling	army	father
post	stood	auto	Feb.
pretty	stop	awhile	feel
printed	storm	banking	few
printing	stunt	barn	fifty
provide	sugar	basket	finished
race	sum	bay	fit
raised	sunshine	bear	flower
range	talk	before	folder
rank	talking	begin	foot
ready	tank	being	forget
reduction	telling	belong	four
remain	ten	bench	frost
remove	tested	bet	gain
removal	thin	between	garden
rent	thousand	block	garment
renting	ticket	born	gather
request	to-day	brick	gave
respect	ton	bushel	glee
rich	travel	button	grass
rolling	treat	buy	ground
room	true	cared	growing
round	trunk	cattle	hall
safe	Tuesday	caused	handy
same	twenty	chain	hard
sample	united	chum	hate
sand	used	church	hear
saved	valued	clay	held
seed	visit	clearly	higher
seeing	voter	clock	himself
sending	walked	cloudy	hold
sent	walking	coast	homesick
set	wanting	colder	horse
seven	war	company	I'm
seventh	wash	contain	iron
seventy	washed	cotton	island
shade	watch	count	job
shipment	western	cover	judge
show	which	crop	kitten
shut	wild	dad	know
silver	wool	daughter	largest
sin	worked	dearest	learn
singing	write	deed	leg
single	yearly	demand	less
sink	yesterday	depend	lift
sit	yourself	direct	list
size		dodge	hsted
slip		dollar	load
small		don't	local
snowing		dozen	locate
soap		dream	location
soft		drilling	looked
sold		drive	low
soon		egg	lower
sooner		election	lunch
sort		family	machine
south		farmer	maid

STEP 4—96%

97%

abstract  
advance  
aim  
alive  
always  
anyone  
anywhere

mailing	September	wire	funny
March	serve	within	gladly
matter	settle	worker	greater
membership	several		grove
morning	share	96%	grown
move	sheet	anybody	handle
moved	sickness	anything	happen
nature	side	around	hardware
nice	sleep	asleep	heard
no	smart	backed	hen
noted	soil	became	hence
nothing	someone	branches	highest
November	something	brand	history
now	sometime	brought	honest
object	spending	busy	hurt
Oct.	spent	carry	improve
office	standard	center	improved
orange	stated	changed	industry
order	station	charged	instead
outfit	staying	cheer	jar
painting	steam	chicken	joined
pair	step	Christmas	learning
papa	stove	cleaner	liberty
per	stranger	cleaning	lumber
picture	strongest	cooking	making
pin	stuff	cord	match
pink	suffering	cottage	mate
plan	sun	crib	meeting
pleasure	teacher	cure	message
plenty	teeth	damp	mighty
poorly	tenth	dare	million
pound	than	dealing	mind
prevent	thereafter	deeply	named
price	thick	degree	nerve
protest	those	desire	next
reached	thought	die	nicely
reaches	thread	directed	none
reader	thus	doctor	nor
recall	to-night	done	normal
recover	total	dressed	nose
remark	township	ease	obtain
renew	trace	English	October
reported	twelve	enter	open
require	uncle	even	ordering
required	understanding	extra	overlooked
respond	understood	fact	packed
result	union	farther	partly
retain	velvet	fence	patch
return	vote	figure	payable
rice	wagon	find	pencil
road	waiting	fire	person
rose	wanted	follow	phone
rye	watching	forgot	potatoes
sack	water	former	present
secure	welcome	fort	primary
seem	wet	fruit	produce
selling	wheel	fun	product

profit	trying	depending	needed
provided	understand	deportment	noise
pump	upon	does	ocean
pure	voice	draft	offering
quart	waited	dread	oh
queen	whereby	earning	otherwise
question	wished	enjoying	own
raise	wishes	enough	package
record	won	except	pain
reduce	worth	excuse	passing
regulation	young	extend	pillow
relationship	zero	extent	pocket
render		factory	postal
rented	STEP 5—94%	failed	post card
renter		famous	power
requested	95%	favor	presume
returned	acting	feeling	prize
roof	action	file	program
rubber	address	fix	progress
rug	afraid	floor	public
scale	agree	form	pull
scare	anyhow	formed	raw
second	apart	frame	reaching
seemed	arrived	fresh	reason
seen	August	friendly	regret
Sept.	badly	fur	reply
shame	base	furnish	rushed
shape	beat	gown	score
shot	beg	grandma	scout
sight	begun	grew	season
simple	bid	guess	shop
sir	birth	hoped	skate
smaller	blame	hotel	sorry
snap	blow	insist	speaker
somewhat	bottom	joke	square
somewhere	bridge	killed	suit
speak	broke	kitchen	team
special	brown	knowing	tent
spoke	build	known	thankful
spread	can't	language	thirty
stair	cause	laugh	through
starting	central	length	Thursday
steady	chapter	letting	tie
stock	charming	likewise	trade
street	chop	located	treatment
study	cities	lone	turned
supper	clothing	lonesome	wake
sure	colt	loud	warm
taking	content	lovely	weary
talked	contract	lowest	weather
temple	cooler	lump	wedding
there	court	maple	whole
these	damage	mind	witch
third	dated	might	withdraw
tile	debate	month	worm
tip	debating	monthly	woven
treated	decline		wrong

94%	knew	advantage	moment
among	lame	already	movement
answered	leaving	ample	narrow
attend	lighting	animal	natural
beef	listen	ans.	nearer
began	lodge	answering	neat
Bible	loving	aside	newspaper
bite	lucky	asked	odd
board	ma	ate	officer
boiler	married	bugs	pavement
broken	meantime	cane	plum
builder	member	cheap	printer
bulk	mistake	checked	promotion
cat	mister	collect	quickly
chart	northern	copy	quoted
climate	notify	correct	rack
comfort	notion	cough	raining
cool	opened	daily	recess
county	ordered	dealer	refuse
dead	pearl	district	requesting
dearly	pending	division	retail
deliver	played	domestic	returning
devoted	powder	dreadful	rod
duty	presented	dresser	rough
eighteen	prevented	during	running
elect	production	duties	sale
elected	ranch	education	served
else	recovered	eleventh	serving
everything	refused	expressed	settlement
expert	relation	factor	sewing
explain	remind	fancy	shock
feature	repair	female	sorrow
fifteen	repeat	field	stamped
fifth	rip	film	stories
figured	shortly	folk	strongly
fixed	sixth	football	student
flavor	sock	force	tend
flour	studies	front	term
forest	supply	geography	their
froze	taxes	having	throughout
frozen	tried	herewith	tiny
gallon	trouble	homestead	to
general	turn	human	track
gray	uniform	hurry	training
greatest	valley	idea	turkey
ha	visited	include	unpaid
harvest	visiting	indeed	useful
heap	watched	informed	winner
hole	weak	invite	wonder
I'd	worry	justify	wonderful
illness	youth	kisses	worthy
including		leaves	92%
increase	STEP 6—92%	lecture	absent
instruct	93%	loyal	acre
itself	account	measure	afterward
join	actor	model	aid
joyful	addition	moderate	arrive

artist	kept	attending	refreshment
attraction	kindest	beaten	regular
barley	lamb	beyond	reliable
barrel	latest	boarding	reserve
beet	least	breakfast	says
bit	liberal	built	shipping
blessed	lonely	candle	silence
blew	lung	caught	simply
bluff	manage	circulation	since
both	merry	circus	skirt
broad	middle	color	speed
burden	modern	common	taste
carried	moving	concluded	taught
cast	need	condition	tax
changing	needle	containing	trained
cheaper	offered	conversation	until
checking	organ	creamery	upper
cigar	ours	dairy	wage
cleaned	painter	detail	written
clerk	parties	difference	
closer	peace	discovered	STEP 7—88%
coach	perfect	encourage	90%
coasting	permit	enjoyed	according
companion	pools	entering	anyway
complete	private	expected	appeal
connecting	prompt	expression	ashamed
corner	properly	feeder	attention
corrected	prospect	final	aware
covered	proved	followed	booth
credit	rained	foolish	butcher
dancing	remember	forth	buying
death	riding	greeting	chill
delivered	right	habit	connect
directly	sash	household	connected
enjoy	saving	ideal	connection
eve	seal	inform	couple
everybody	setting	intended	crazy
everyone	shed	ivory	delayed
feeding	shoulder	junk	delightful
finest	steel	leaf	dirty
finger	suitable	main	eager
flesh	surface	miss	effort
foundation	though	nevertheless	enclosed
frankly	throat	owe	entertainment
freeze	title	pastor	expecting
French	topic	posted	fairly
furnace	wait	pride	fortune
gained	wear	problem	friendship
goldfish	worse	promise	fuel
greatly	writer	protected	fund
headache		proud	furnished
health	91%	prove	gaining
honor	advising	proven	gas
husband	against	pupil	gentleman
important	although	quotation	German
information	amounting	rabbit	gotten
inviting	appear	reduced	
	apply		



grind  
grit  
grocery  
healthy  
I'll  
included  
investment  
later  
level  
liked  
liquid  
met  
minute  
neglect  
neglected  
noticed  
obtained  
owner  
penny  
period  
phoned  
piano  
porch  
prepaid  
providing  
putting  
raising  
rapid  
rapidly  
refund  
remained  
resulting  
saddle  
section  
secured  
sis  
slept  
slipper  
smooth  
social  
statement  
suppose  
Thanksgiving  
vision  
weigh  
weight  
whom  
women  
wondering  
89%  
absolute  
across  
addresses  
adjust  
advised  
arrange  
assure

author  
automobile  
beauty  
careful  
closely  
contained  
current  
curtain  
dangerous  
debt  
direction  
entered  
failure  
fair  
fashion  
fee  
fierce  
forgotten  
further  
germ  
globe  
grammar  
graze  
guide  
handling  
helped  
hereafter  
hesitate  
honestly  
inclosed  
instruction  
isn't  
jury  
loss  
method  
mountain  
Mrs.  
nap  
neighbor  
opening  
owned  
pa  
per cent  
picnic  
plain  
popular  
property  
recite  
regard  
ribbon  
settled  
sore  
strike  
struggle  
style  
sweater  
text

thereof  
too  
tread  
trial  
wasn't  
won't  
worst  
88%  
acted  
admit  
advanced  
adventure  
allow  
attended  
Ave.  
avenue  
bigger  
break  
buggy  
cement  
certain  
chairman  
cherries  
chief  
comply  
composition  
consider  
considered  
correctly  
cousin  
crew  
didn't  
difficult  
dwelling  
entire  
exact  
explained  
fault  
following  
forty  
forwarding  
fullest  
furnishing  
future  
gasoline  
gland  
happened  
hare  
helpful  
herein  
holiday  
housekeeping  
increasing  
inspector  
instructed  
lie  
limb

mass  
national  
nurse  
outlined  
parlor  
perhaps  
plow  
possible  
prepare  
president  
promised  
rainy  
register  
renewed  
reputation  
scrap  
seldom  
server  
service  
skating  
slightly  
soldier  
success  
therefore  
tired  
treasurer  
87%  
agreeable  
agreed  
ambition  
appointed  
approved  
assist  
average  
await  
awaiting  
baking  
balance  
blackberries  
blooming  
buyer  
cabinet  
calm  
carefully  
cheerful  
collection  
coming  
commerce  
consideration  
considering  
construction  
convention  
correction  
depot  
desired  
dice  
director

due	clever	copies	colored
enclosing	closing	drama	comfortable
entirely	commence	excess	confined
entitle	courage	favorable	constantly
excited	described	federal	continued
expired	deserve	forced	cute
firm	different	forward	decided
fitted	dose	forwarded	discourage
fitting	earliest	fourteen	either
funeral	effect	growth	enrolled
gentlemen	fare	inclose	error
ghost	fourth	increased	extended
impossible	garage	indicate	avored
improving	gee	intend	federation
inquire	graduation	international	group
ironing	grip	knot	hospital
limit	guest	lately	importance
machinery	handled	limited	inasmuch
manufacture	handsome	linen	inclosing
needing	headquarter	minister	insert
numerous	humor	musical	I've
parent	hurried	namely	misunderstanding
pertaining	intention	obliged	past
placing	interest	o'clock	patent
position	issue	ought	piece
prayer	latter	ourselves	process
prepared	manner	produced	purpose
preparing	oversight	publication	queer
priced	parcel	quality	received
promptly	performed	represented	reception
proof	personal	rifle	relative
publisher	plainly	roll	representation
quiet	post office	route	republican
quite	proceed	select	resident
reasonable	published	seller	saver
Saturday	recently	signed	scarce
sew	represent	sleet	society
slide	selected	strawberries	system
spare	selection	suggest	tanning
strength	situation	themselves	telegram
struck	traveling	together	telephone
submit	whose	to-morrow	that's
throw	yourselves	towel	tract
touch	85%	volume	waste
transportation	ache	woman	Wednesday
truly	advertised	wouldn't	workmanship
view	appeared	84%	83%
waist	avoid	adjusted	absence
weekly	believe	advertise	capable
weighed	bowl	advice	circular
yoke	breaking	advise	citizen
	capital	afloat	confident
	celebrate	ankle	creep
	chose	applied	crippled
	complaint	approval	doubtless
	consist	carrier	earnest
	constant	cashier	enclose

STEP 8—84%

86%

banquet  
bog

enroll  
exam.  
exciting  
factories  
graduate  
graduating  
gratitude  
instance  
insurance  
interesting  
knowledge  
laid  
legal  
manager  
manufacturing  
misses  
owing  
particular  
preacher  
receive  
ruin  
satisfied  
search  
shipper  
shopping  
shone  
stating  
supplied  
supposed  
tight  
violin

82%

accept  
accomplish  
addressed  
adopted  
appointment  
arranged  
arriving  
assured  
assuring  
attached  
attempt  
awful  
biggest  
cellar  
collecting  
concern  
design  
easily  
employed  
entertain  
ford  
generous  
hoping  
improvement  
instant

internal  
material  
mention  
neither  
oblige  
perfectly  
purchase  
quarter  
recent  
remembered  
remit  
replying  
resigned  
salary  
securing  
subscriber  
surprise  
worried  
writing

STEP 9—79%

81%

assembly  
bracelet  
cartoon  
companies  
conference  
delivery  
develop  
disposed  
doubt  
entertaining  
fern  
fever  
freight  
handkerchief  
happiness  
invitation  
item  
loan  
loose  
mentioned  
nephew  
operated  
passed  
pattern  
prevail  
realize  
regardless  
satisfactory  
serious  
sitting  
slight  
spirit  
supplies  
support

theater  
tickled  
toward  
usual  
vacant  
we'll  
Xmas.

80%

actual  
adjustment  
appreciate  
article  
attractive  
booster  
canned  
captain  
course  
credited  
desiring  
exercise  
extensive  
fabric  
figuring  
forenoon  
hello  
inclined  
interested  
jobber  
justified  
library  
likely  
manual  
notified  
positive  
quit  
raiser  
remembering  
rendered  
source  
superior  
universal  
wearing  
you'll

79%

agriculture  
attach  
attain  
authorized  
automatic  
calves  
choose  
collar  
concerning  
convince  
coy  
decrease  
dependent

deposit  
destroyed  
explaining  
filing  
hadn't  
haven't  
hereby  
independent  
institution  
introduction  
lovingly  
management  
moral  
neighborhood  
occupied  
opinion  
patient  
regarding  
requirement  
rural  
stayed  
studied  
voting

78%

ability  
agency  
argument  
certainly  
college  
conclusion  
considerable  
convinced  
couldn't  
daddy  
difficulty  
entry  
established  
exception  
favorite  
finally  
hasn't  
heir  
involved  
lbs.  
nineteen  
opera  
ordinary  
procured  
sanitary  
stationary  
straight  
tattooing  
Tues.  
utmost  
we've  
whether

77%	proposition	suggested	respectfully
accident	refer	territory	salesman
activity	regularly	valuable	71%
affair	satisfaction	vary	assurance
arrival	transfer	wholesale	barely
channel	university	worrying	billed
concert	75%	73%	braid
contemplated	allowed	choosing	business
crowd	anxious	commercial	confirming
deliveries	assistant	coupon	control
democratic	blizzard	cushion	democrat
deserved	character	description	genuine
destination	Christian	enrollment	identify
durable	confer	fashionable	personality
establish	confidence	government	principal
evidence	crowded	hers	reliability
exactly	discontinued	impression	reservation
examined	duplicate	instrument	satisfy
February	expense	issued	senior
hustling	explanation	Latin	strictly
junior	favorably	meant	usually
liable	haste	ninth	weren't
lining	influence	orchestra	70%
maybe	installed	previous	advancement
nervous	introduced	profitable	alley
policy	journal	prosperous	altogether
Prof.	largely	realizing	carrying
purchased	organized	receiving	contemplating
quote	registered	responsible	contrary
slippery	relieve	type	disgusted
supervision	series	vicinity	electrical
using	signature	72%	entitled
you'd	sire	accordance	evidently
	strict	admission	furniture
	surprised	alfalfa	institute
STEP 10—73%	transit	announce	literature
76%	74%	applicant	practice
application	advertising	bargain	premium
brief	cedar	based	sincere
Bro.	combination	believing	splendid
choice	development	disagreeable	
compelled	Dr.	disposal	STEP 11—66%
customer	employer	elsewhere	69%
decide	engineer	examination	accordingly
formerly	envelope	examine	benefit
hailed	expensive	extreme	candidate
investigate	frequently	fortunate	choir
investigation	gravy	glorious	circumstances
literary	honorable	illustration	considerably
madam	illustrating	imagine	doesn't
maintain	its	majority	equally
mamma	merchandise	medicine	equipment
mere	pardon	mental	gradually
obligation	possibly	profession	invoice
operating	remedy	qualities	missed
operation	shipped	really	politics
pleasant	submitted	reference	

*The Iowa Spelling Scales*

presence  
similar  
stomach  
terrible  
various

68%

accomplished  
available  
estimated  
label  
niece  
separate  
successful

67%

advisable  
appreciated  
constitution  
engineering  
etc.  
exceptional  
instructor  
patron  
prosperity  
substitute  
welfare

66%

assignment  
clothe  
demonstrated  
distribution  
employee  
magazine  
mechanical  
practical  
preparation  
subscription  
succeed  
sympathy  
variety

65%

amendment  
congratulation  
data  
exclusively  
experience  
illustrated  
lose  
prefer  
resource  
studying  
succeeded  
surplus  
unusual

64%

associated  
assortment

attitude  
bass  
capacity  
coarse  
corporation  
electricity  
executed  
foreign  
generally  
inquiry  
practicing  
registration  
renewal  
stopped

63%

administration  
assistance  
auditor  
awfully  
basis  
civics  
confirm  
congratulate  
examiner  
librarian  
readily  
timothy

## STEP 12—58%

62%

acknowledge  
appearance  
aren't  
interfere  
naturally  
nickel  
particularly  
possession  
semester  
urge

61%

actually  
additional  
calendar  
certificate  
commission  
co-operative  
customary  
exhausted  
heretofore  
inquiries  
losing  
ninety  
organize  
original

60%

absolutely  
allotment  
assigned  
assume  
attorney  
beginning  
conservatory  
council  
decision  
demonstration  
excellent  
exhibit  
inferior  
organization  
planned  
response  
safely  
supervisor

59%

acquire  
appreciation  
co-operation  
crochet  
excitement  
existing  
inducement  
planning  
science  
secretary  
talent

58%

announcement  
consequently  
consultation  
good-bye  
individual  
maturity  
relieved  
sense

57%

ballot  
carnival  
cordial  
disappoint  
grateful  
legislation  
remittance  
specification

56%

administrator  
appreciating  
association  
co-operating  
crocheting  
disease

meter  
opportunity  
probably

55%

acceptance  
annual  
catalogue  
installment  
official  
practically

## STEP 13—50%

54%

athletics  
completely  
hastily  
necessity  
occasion  
personally  
preliminary  
quantities  
quantity  
Sabbath  
straightened

53%

advertisement  
agricultural  
bulletin  
community  
extension  
geometry  
merit  
principle

52%

acquainted  
alumni  
ambitious  
associate  
client  
compliment  
cordially  
correspond  
referred  
remembrance  
superintendent

51%

arrangement  
campaign  
disappointment  
enthusiastic  
financial  
girlie  
permanent

50%

bureau  
communication

regretting	44%	executive	29%
sincerely	assessment	originally	accompanying
solicit	extremely		guarantee
thorough	leisure		
49%	possess	STEP 15—34%	28%
enormous	thoroughly	37%	convenience
license	43%	analysis	peculiarities
materially	accredited	equipped	27%
necessary	annually	fundamental	chautauqua
physical	anticipate	mortgage	essential
responsibility	circuit	36%	guaranteed
48%	epidemic	fraternally	X-ray
all right	especially	unusually	25%
ere	judgment	35%	recommendation
exceptionally	notary	efficient	schedule
familiar	satisfactorily	physician	24%
inconvenience	42%	34%	appendicitis
merely	commissioner	affectionately	conveniently
possibility	correspondent	33%	pneumonia
professional	politician	committee	STEP 17—21%
receipt	41%	correspondence	23%
47%	algebra	occasionally	anniversary
auntie	bonus	referring	grippe
authority	continuous	tuberculosis	rheumatism
definite	enthusiasm	32%	21%
soliciting	prior	accommodate	Hallowe'en
46%	privilege	anticipating	20%
attendance	40%	apparatus	definitely
consequence	acquaintance	characteristic	ingredients
disappointed	exhibition	unnecessary	19%
immediately	immense	31%	phosphorus
	39%	candidacy	
STEP 14—42%	canvass	confirmation	STEP 18—16%
45%	convenient	inst.	18%
immediate	courteous	STEP 16—27%	affidavit
rec'd	recommend	30%	16%
specially	representative	efficiency	zephyr
sufficient	scientific	lieutenant	
surgery	thesis		



**SECTION XV**

**THE IOWA SPELLING SCALE**

**GRADE VIII**



## GRADE VIII

STEP 1—100%			
able	body	dinner	herself
about	book	done	high
above	bottle	dream	hill
add	bought	dust	him
added	box	each	himself
adding	brick	earth	his
advance	bring	east	hog
afternoon	brother	easy	holding
again	bunch	eat	horse
age	but	edge	hot
ago	butter	eighty	house
all	by	end	hunt
alone	call	enjoy	hunting
along	called	eye	ill
am	calling	face	important
an	came	fail	in
and	camp	fall	inches
another	can	farm	ink
anything	car	farming	inside
apple	card	feet	into
are	care	few	is
army	cash	filled	it
around	cause	fine	job
art	cent	fire	July
as	child	fishing	June
ask	children	food	just
at	city	foot	keeping
away	class	form	kid
baby	clean	found	kind
back	clear	free	kinder
backing	close	from	lake
bad	coach	gained	land
ball	coal	get	large
band	cold	girl	last
bank	come	give	late
banking	contest	given	law
bat	corn	go	lay
bay	cost	going	leader
be	country	gone	left
because	cow	good	leg
been	cross	got	less
behind	cup	grade	let
being	dad	grain	letter
bell	danger	greater	life
belong	dare	had	like
below	darling	half	list
best	date	happy	little
better	day	has	live
big	December	hat	lived
bill	decline	have	liver
bird	deed	hay	lives
blank	degree	he	load
board	did	head	long
	died	help	look
		her	looking

love	partly	silk	thousand
low	payment	sit	three
mad	pen	six	time
mail	people	size	train
mailing	person	slow	treat
make	pie	small	tree
making	place	smart	trust
man	plate	snow	trusting
many	play	so	trying
market	pleased	soft	twenty
mate	poor	sold	under
may	power	somewhat	understand
me	prevented	sound	understanding
mean	put	spelling	up
membership	question	spend	use
message	rail	spent	value
milk	raised	spoke	waiting
mill	range	sport	walk
mine	read	stamp	wall
money	reader	start	wanted
more	ready	started	was
most	real	starting	wash
mother	reason	state	watch
move	red	stated	water
must	rent	station	way
my	report	stay	we
named	request	stick	well
nature	rest	still	were
nearly	return	stock	what
net	rich	stone	whatever
next	ride	stood	wheat
nice	rock	store	wheel
night	room	storm	when
nine	round	stranger	where
nobody	rug	study	while
noon	rule	subject	who
not	run	such	wife
note	rush	summer	will
nothing	said	sunshine	willing
object	sample	take	wind
office	Sat.	talk	wire
oil	saw	teach	wise
old	say	teaching	with
oldest	school	tell	without
on	see	telling	wood
once	seeing	ten	work
one	send	tent	worked
open	sending	test	worker
order	set	thank	working
out	setting	thanking	world
over	sheep	that	would
overcoat	ship	the	woven
own	shoe	them	wrote
pack	short	thing	year
page	should	think	yellow
painted	show	thinking	yes
paper	sick	this	yet

you	carry	evening	hate
yourself	case	ever	heard
zone	catch	every	heat
	cattle	exchange	heavy
STEP 2—99%	chain	expected	helping
abstract	chair	express	here
account	charge	fact	history
act	charged	factory	hit
action	chart	failed	hold
address	cheer	far	holder
after	church	farmer	home
agent	cities	fast	hotel
ahead	classes	faster	hour
air	cleaned	father	how
also	clothing	favor	however
amount	club	fear	hundred
answer	coat	feed	hurry
any	coffee	fell	ice
anybody	coin	fellow	if
anyhow	company	fight	inch
April	conduct	figure	instead
arm	contract	file	instruction
asking	cook	fill	invite
ate	correct	filling	invited
attend	could	finding	ivory
Aug.	count	finish	Jan.
aunt	court	fish	January
awhile	cover	fit	joy
bake	covering	five	judge
banker	cream	flesh	keep
barn	cut	for	kill
bottle	cutting	force	kindly
bee	dandy	forgive	king
before	dark	formed	kiss
between	dead	fort	know
black	deal	Friday	lace
block	dealing	friend	ladies
blood	dear	front	lady
blue	debate	gain	landing
boat	deep	gate	larger
booklet	delay	gave	learn
boss	depending	gift	learning
bother	discount	glad	leaving
boxes	display	glass	light
boy	district	glove	located
brain	dog	goat	longer
branches	doing	gold	longest
bright	down	goose	looked
bringing	dress	green	lost
brush	drew	grew	lot
build	drill	ground	loved
built	drop	hair	lovely
bushel	drug	handed	lower
cannot	drum	handy	luck
cap	duty	happen	lump
car	early	hard	lunch
	earning	harder	made

mailed	playing	settlement	they
maker	please	seven	thin
mark	pleasure	seventy	third
married	pocket	several	those
master	point	shade	thought
match	present	shall	thus
matter	press	shame	ticket
Monday	print	share	tip
mostly	printed	she	to-day
mountain	printer	shut	told
mouth	produce	sickness	took
Mr.	product	silver	top
much	protest	simple	town
mud	provided	sin	township
music	pull	sir	toy
myself	pure	sister	trade
name	quart	sixty	trip
nation	quick	skate	trunk
near	railroad	sleep	try
never	rain	slip	two
new	raise	smaller	unable
nicely	rate	snowing	union
normal	raw	soil	unless
north	reach	some	us
nose	reading	something	used
notice	reduced	sometime	valued
Nov.	reduction	son	wagon
number	remain	song	waited
nut	removed	soon	wake
oats	rented	sooner	walked
Oct.	renting	space	want
of	repeat	spell	wanting
off	reply	spot	war
only	result	spring	warm
outside	rice	square	washing
oven	ring	stage	watching
overlooked	river	stamped	went
packing	rolling	stand	western
paint	roof	standing	white
painting	rubber	staying	why
papa	running	stove	wild
park	rust	strongest	win
part	sack	stunt	window
party	safe	sugar	winter
pass	same	Sunday	wish
patch	sand	sweet	wished
pay	sat	swell	wishes
peace	score	table	wishing
peach	seat	taken	within
personal	second	talking	word
phone	secure	tank	worth
pick	seed	teacher	wrong
picking	self	teeth	yard
picture	sell	tenth	yesterday
pig	selling	than	your
pine	sent	then	zero
placed			

<b>STEP 3—98%</b>	chicken	feeling	lift
acre	chum	felt	liked
acted	cleaner	fifty	listed
acting	cleaning	first	living
active	clearly	fixed	loaded
actor	clerk	flat	local
against	closed	flower	locate
aid	cloth	forget	location
alive	coast	former	loud
among	colder	four	lung
answered	colt	frame	machine
answering	condition	French	maid
anyone	construction	frost	maple
anywhere	contain	fruit	March
aside	continue	fur	marking
asleep	cooking	furnish	May
auto	cool	gather	meal
aware	cord	germ	meantime
backed	corrected	grant	measure
basket	cottage	granted	meat
bean	cotton	grass	meet
bed	counting	greatest	method
began	crop	growing	middle
begun	daily	hand	mighty
behalf	damage	hang	mind
belonging	damp	hardly	Miss
belt	dance	hardware	mistake
bench	daughter	health	month
beside	dealer	heap	monthly
Bible	debt	hear	morning
birthday	Dec.	heating	moved
blame	delighted	held	neck
born	depend	herewith	news
branch	deportment	highest	noise
bridge	die	hole	none
broke	direct	honest	noted
broken	do	idea	November
brought	don't	improved	now
building	door	income	offering
burn	draft	inform	older
buy	dresser	iron	orange
buying	drive	island	other
cake	egg	jar	our
calf	eight	jump	ours
careful	eighteen	jury	package
carpet	else	kindness	parties
cat	English	kitten	paying
caused	entire	lamp	per
center	even	lame	pillow
chance	everything	largest	pink
change	example	laugh	plenty
changed	excuse	learned	popular
chapter	expecting	leather	post
charming	extend	leave	posted
cheap	family	leaves	pound
check	fat	lesson	pretty
	feeding	liberty	

prevented	spending	STEP 4—96%	duties
price	steam	97%	ease
printing	step	advanced	education
prize	stop	adventure	elected
production	street	advise	election
promise	strongly	afterward	eleventh
proper	student	agree	enough
property	sum	aim	entered
proud	sun	almost	eve
provide	supper	already	everyone
queen	taxes	ample	excited
race	tested	animal	expert
reached	thereafter	ans.	extent
reaches	thick	appointed	extra
reaching	thirty	base	factor
recall	thread	beat	failure
record	tile	beauty	Feb.
recover	till	beg	female
refuse	tire	begin	fence
regular	ton	bet	film
regulation	topic	blessed	find
relation	trained	blew	finished
remark	travel	blow	folder
remove	treated	bluff	follow
renter	treatment	boiler	forest
repair	true	both	fortune
require	turkey	brand	freeze
reserve	twelve	bugs	fully
respect	twice	builder	fun
respond	understood	button	funny
retail	upon	buyer	furnished
road	valley	calm	gaining
rushed	very	carried	garden
sad	visit	cast	gentleman
sale	vote	cheaper	glasses
saying	voter	checked	glee
season	walking	chill	gotten
section	washed	chop	gown
seen	watched	clay	grand
Sept.	weak	clock	grandfather
September	week	composition	great
seventh	welcome	consider	greatly
shop	west	conversation	hall
shot	wet	crib	handle
showed	whenever	cure	having
side	whereby	dated	hearing
sight	which	dearly	improve
sign	wide	deeply	included
simply	witch	deliver	increase
singing	wonder	depot	inquire
snap	worm	devoted	insist
snowed	worse	direction	inspect
somewhere	write	dodge	instruct
sort	yearly	dose	interest
south	young	dressed	introduced
speed		drilling	issue
		during	itself

I've	requested	beaten	general
joined	required	became	gladly
kitchen	resident	become	gland
knowing	retain	beyond	goldfish
labor	returned	bid	greeting
leaf	right	bigger	harvest
least	rod	birth	helped
lecture	saved	brown	hereafter
letting	scale	buggy	homesick
lone	settle	burden	homestead
lonesome	shed	busy	hoped
lumber	sheet	cared	hurt
meeting	shipment	carrier	ideal
member	shortly	caught	illness
mend	single	cigar	indeed
miss	sink	circus	industry
moment	sixth	closer	information
movement	slipper	collect	inviting
need	sorry	collection	joke
needed	speak	color	kept
needle	special	comfort	killed
nerve	spread	companion	known
obtain	stair	connect	language
October	stories	constant	later
opened	stuff	copy	length
or	suffering	correctly	level
otherwise	suppose	couple	likewise
outfit	tie	cousin	limited
packed	tired	covered	lowest
pain	to	dearest	lucky
passing	total	death	ma
payable	trace	demand	manage
pencil	trouble	desire	mass
per cent	turn	directly	minister
perfect	turned	dispose	minute
pin	united	does	moderate
plain	velvet	dollar	narrow
plan	visiting	dread	nearer
planted	whom	enclose	neat
poorly	withdraw	enjoying	neglected
post card	wonderful	entering	nor
potatoes	wool	everybody	nurse
prefer	youth	expressed	odd
problem		extended	officer
progress	96%	federation	ordering
prospect	according	field	ourselves
pump	addition	fifth	owe
putting	addresses	finest	owner
rack	advantage	flavor	pair
rainy	always	floor	particular
ranch	appeal	forgot	pavement
rank	appear	foundation	period
recess	appeared	frankly	phoned
reduce	apply	froze	porch
remind	attended	fund	postage
render	average	gallon	prepare
reputation	barrel	game	president
	bear		

pride	STEP 5—94%	farther	owned
primary		feature	painter
prompt	95%	feeder	pearl
properly	absence	feel	pending
public	accept	fifteen	performed
rained	adjust	final	perhaps
raining	advised	fix	piano
rapid	afraid	flour	played
refused	allow	football	possible
relative	amounting	fourteen	postal
remained	anyway	friendly	presented
remember	approved	frozen	produced
reported	arrived	furnishing	program
resulting	asked	future	promptly
rip	August	garage	protected
rose	awaiting	gas	proven
seal	barley	geography	providing
seem	beef	getting	published
serve	beet	globe	pupil
served	breakfast	graduate	quickly
settled	broad	grandma	raising
shape	cane	grit	recovered
shock	cement	guess	regret
signed	central	ha	relationship
since	checking	habit	rendered
sock	Christmas	honor	renew
soldier	circular	hurried	returning
someone	climate	husband	ribbon
sorrow	coasting	I'll	sash
speaker	commerce	include	saving
steel	common	including	says
strike	complete	intended	scout
suit	concluded	interested	search
system	connected	investment	service
talked	connecting	join	serving
team	contained	joyful	shipping
territory	content	kisses	skirt
text	corner	knew	sleet
thankful	crazy	knot	soap
there	credit	limb	steady
these	delivered	lodge	supplies
Thursday	deserve	loyal	supply
tiny	desired	manner	support
to-night	dirty	mister	supposed
towel	doctor	moral	sure
training	domestic	Mrs.	sweater
trial	dwelling	musical	taking
Tuesday	elect	national	temple
until	entertain	neighbor	their
upper	establish	newspaper	themselves
vision	exact	northern	though
weary	except	noticed	throat
wedding	explain	notion	through
weekly	factories	obtained	throughout
won	fair	ocean	title
worst	famous	offered	track
yourselves	fancy	oh	tract



transportation  
tread  
uniform  
visited  
voice  
waist  
woman  
written

94%

absolute  
advising  
afloat  
although  
artist  
ashamed  
assembly  
assist  
Ave.  
avenue  
badly  
balance  
bite  
bottom  
bulk  
candle  
can't  
carefully  
cashier  
certain  
chairman  
changing  
cheerful  
citizen  
complaint  
connection  
consideration  
convention  
cough  
county  
curtain  
dancing  
dangerous  
debating  
democratic  
dice  
difference  
difficult  
directed  
due  
extensive  
fairly  
fare  
fault  
favorable  
fee  
figured

foolish  
fuel  
garment  
gentlemen  
gray  
grind  
grove  
guide  
hen  
higher  
household  
human  
importance  
increasing  
informed  
inspector  
intend  
interesting  
junk  
liberal  
lie  
lighting  
likely  
listen  
lovely  
maintain  
model  
moving  
natural  
no  
outlined  
permit  
pertaining  
pole  
powder  
preacher  
priced  
process  
promotion  
prove  
publisher  
quality  
quite  
rapidly  
reception  
refreshment  
register  
replying  
rough  
row  
rye  
satisfaction  
scarce  
shopping  
silence  
sore  
spare

spirit  
standard  
statement  
strength  
studies  
substitute  
success  
supplied  
tanning  
tax  
term  
thereof  
vacation  
wait  
wear  
winner  
worthy  
Xmas.

STEP 6—92%

93%

adjustment  
anxious  
apart  
application  
arrive  
assured  
attached  
attain  
attempt  
attending  
avoid  
boarding  
booth  
clever  
cloudy  
concert  
confined  
consist  
containing  
correction  
decrease  
design  
didn't  
division  
dreadful  
enclosed  
encourage  
entirely  
exam.  
expired  
fashion  
fashionable  
favored  
federal  
fever

finger  
fitted  
folk  
funeral  
furnace  
gasoline  
group  
hence  
holiday  
honestly  
humor  
improving  
institute  
international  
introduction  
ironing  
justified  
justify  
kindest  
latest  
liable  
limit  
loving  
main  
manager  
modern  
nap  
neglect  
nevertheless  
notify  
opening  
organ  
pa  
penny  
plainly  
pools  
prepaid  
private  
proceed  
proved  
quiet  
quotation  
recite  
refund  
regardless  
reliable  
requesting  
scrap  
seemed  
server  
sire  
situation  
skating  
slide  
smooth  
struck  
struggle

style  
subscriber  
suitable  
surface  
taste  
taught  
telephone  
tend  
therefore  
throw  
tight  
touch  
tried  
uncle  
unpaid  
useful  
wasn't  
weather  
weight  
whole  
wholesale  
whose  
women  
wondering  
worry  
you'll

92%

ability  
absent  
accomplish  
adjusted  
advancement  
appointment  
article  
attention  
author  
await  
break  
breaking  
butcher  
capable  
captain  
chief  
closely  
closing  
considerable  
considering  
constitution  
cooler  
crippled  
delayed  
delightful  
detail  
director  
discover  
disposed  
dozen

eager  
employed  
enjoyed  
enter  
entitle  
evidence  
excess  
expensive  
explaining  
followed  
forced  
forgotten  
forth  
fullest  
government  
grammar  
headache  
healthy  
hello  
hereby  
housekeeping  
I'd  
inclined  
increased  
indicate  
instance  
instant  
instructed  
instructor  
invitation  
lbs.  
linen  
mental  
merry  
met  
obligation  
parent  
parlor  
pastor  
piece  
placing  
policy  
prepared  
presume  
prevail  
previous  
promised  
quarter  
quit  
rabbit  
recent  
regard  
represent  
roll  
route  
ruin  
saddle

salary  
secured  
seldom  
seller  
serious  
social  
submit  
Thanksgiving  
tickled  
traveling  
wage  
wearing  
Wednesday  
workmanship

91%

adopted  
affair  
agriculture  
ambition  
applied  
attraction  
baking  
believe  
biggest  
bit  
blackberries  
bowl  
cabinet  
certainly  
cherries  
choice  
circulation  
concern  
creamery  
creep  
crew  
different  
drama  
effort  
enroll  
explained  
firm  
ford  
German  
glorious  
graduation  
grocery  
handled  
handling  
herein  
improvement  
inclose  
internal  
invoice  
legal  
loan

machinery  
majority  
material  
mention  
million  
needing  
neither  
notified  
oversight  
parcel  
perfectly  
position  
purchase  
purpose  
responsible  
sanitary  
sew  
sis  
stayed  
to-morrow  
valuable  
we'll

STEP 7—88%

90%

actual  
addressed  
admit  
arrange  
blizzard  
blooming  
college  
combination  
comfortable  
conclusion  
confidence  
considered  
copies  
courage  
coy  
cute  
decided  
discontinued  
doubt  
doubtless  
either  
employer  
established  
estimated  
examined  
expense  
expression  
favorite  
fierce  
following  
forward

frequently	agreed	weigh	respectfully
fresh	argument	won't	rifle
gee	arrival	writing	Saturday
grown	arriving	88%	sewing
guest	banquet	ache	sitting
helpful	billed	ankle	society
I'm	cedar	approval	source
impression	choose	assure	studied
inclosed	circumstances	assuring	submitted
insurance	collar	attorney	surplus
involved	colored	automatic	view
issued	continued	automobile	waste
item	dairy	braid	weighed
largely	deliveries	Bro.	87%
lately	delivery	cartoon	accordingly
liquid	discourage	celebrate	announce
loss	entertaining	coming	arranged
madam	error	commercial	attach
manual	exactly	comply	booster
nephew	fourth	contrary	calves
nineteen	freight	credited	canned
oblige	generous	current	cellar
o'clock	gradually	decide	character
ordered	graze	deposit	collecting
post office	grip	deserved	commence
preparing	happened	disposal	conference
proposition	hesitate	durable	convince
publication	independent	earnest	course
purchased	insert	engineer	data
realize	installed	exciting	destination
recently	investigate	exercise	earliest
remembered	laid	fern	enclosing
remembering	mentioned	fortunate	fitting
renewed	numerous	forty	generally
representation	opera	forwarding	gratitude
represented	ordinary	friendship	hadn't
riding	past	further	happiness
rural	pattern	ghost	haste
securing	personality	growth	hospital
select	picnic	hare	illustrated
selection	plum	headquarter	institution
series	possibly	identify	intention
shipper	practice	impossible	investigation
slept	profitable	inasmuch	junior
slight	queer	latter	knowledge
slightly	reasonable	manufacture	misses
splendid	satisfactory	misunderstanding	namely
suggest	saver	occupied	ought
treasurer	selected	plow	owing
university	shown	prayer	realizing
vacant	stating	procured	regarding
violin	strawberries	profit	registered
89%	suggested	proof	remedy
accident	supervision	qualities	remit
across	that's	quoted	republican
activity	type	received	salesman
agreeable	volume	reference	sincere

slippery  
superior  
telegram  
toward  
universal  
urge  
weren't  
we've  
worried  
yoke  
you'd

STEP 8—84%

86%

accordance  
ambitious  
bracelet  
carrying  
companies  
customer  
democrat  
description  
development  
easily  
effect  
entry  
equally  
examine  
exception  
finally  
forwarded  
handkerchief  
honorable  
inclosing  
lovingly  
medicine  
missed  
obliged  
Prof.  
really  
receive  
reservation  
resigned  
straight  
strict  
using  
usual  
voting  
wouldn't

85%

auditor  
brief  
chose  
concerning  
contemplating  
cordial

crowded  
examination  
fabric  
furniture  
hustling  
influence  
journal  
library  
loose  
neighborhood  
politics  
positive  
premium  
quote  
senior  
shipped  
shoulder  
signature  
stationary  
strictly  
surprise  
terrible  
truly  
utmost  
whether

84%

advice  
allowed  
attractive  
authorized  
bog  
capital  
confident  
couldn't  
described  
destroyed  
etc.  
experience  
foreign  
heir  
illustrating  
instrument  
Latin  
literary  
meant  
operation  
opinion  
pardon  
patent  
patient  
possession  
prosperity  
satisfy  
stomach  
tattooing  
transit

83%

acknowledge  
administration  
advertise  
association  
awful  
business  
channel  
compelled  
contemplated  
crocheting  
desiring  
enrolled  
entertainment  
envelope  
favorably  
filing  
gravy  
management  
organize  
organized  
profession  
raiser  
refer  
satisfied  
secretary  
stopped  
studying  
theater  
together  
too  
vicinity  
writer

82%

accomplished  
additional  
agency  
altogether  
annual  
assortment  
attitude  
available  
beginning  
crowd  
develop  
difficulty  
disagreeable  
electrical  
elsewhere  
engineering  
entitled  
evidently  
existing  
figuring  
handsome  
hoping

illustration  
manufacturing  
official  
operated  
operating  
subscription  
transfer  
various

STEP 9—79%

81%

acceptance  
acquire  
choosing  
constantly  
convinced  
daddy  
dependent  
duplicate  
examiner  
February  
graduating  
individual  
its  
lining  
lose  
merchandise  
particularly  
science  
timothy

80%

admission  
associated  
assume  
assurance  
commission  
confer  
congratulation  
decision  
enormous  
enrollment  
equipment  
exceptional  
exhibit  
explanation  
extreme  
forenoon  
genuine  
hasn't  
hailed  
isn't  
jobber  
label  
nervous  
patron

practical  
regularly  
responsibility  
succeed  
supervisor

79%

appreciate  
assistance  
ballot  
bass  
candidate  
certificate  
Christian  
civics  
distribution  
executed  
hers  
inducement  
legislation  
magazine  
maturity  
maybe  
principal  
readily  
registration  
unusual

78%

advertised  
appreciated  
assigned  
assistant  
bargain  
believing  
clothe  
confirm  
control  
cushion  
formerly  
interfere  
pleasant  
relieve  
resource  
surprised  
talent  
worrying

77%

actually  
consequently  
correspond  
coupon  
crochet  
demonstrated  
demonstration  
disgusted  
haven't  
imagine

mamma  
ninety  
organization  
prosperous  
successful  
sympathy

STEP 10—73%

76%

applicant  
electricity  
excitement  
familiar  
heretofore  
immediate  
merely  
orchestra  
physical  
planned  
preparation  
presence  
receiving  
relieved  
requirement  
similar  
variety  
vary

75%

advisable  
algebra  
associate  
awfully  
carnival  
co-operation  
disease  
Dr.  
employee  
mere  
naturally  
necessity  
sense  
Tues.  
welfare

74%

advertising  
alfalfa  
appreciating  
basis  
benefit  
campaign  
catalogue  
congratulate  
consequence  
conservatory  
especially

excellent  
exclusively  
merit  
necessary  
quantity  
reliability  
response  
separate

73%

aren't  
choir  
commissioner  
committee  
co-operative  
extension  
inquiry  
meter  
ninth  
possibility  
practicing  
renewal  
safety  
straightened  
succeeded

72%

agricultural  
alley  
appearance  
capacity  
community  
confirming  
corporation  
notary  
usually

71%

administrator  
amendment  
attendance  
coarse  
compliment  
cordially  
customary  
installment  
niece  
soliciting  
surgery

70%

advertisement  
appreciation  
arrangement  
assignment  
based  
bureau  
considerably  
convenience

exhibition  
hastily  
original  
preliminary  
specification

STEP 11—66%

69%

acquainted  
correspondent  
disappointed  
epidemic  
inferior  
license  
sincerely  
specially

68%

athletics  
doesn't  
exceptionally  
mechanical  
occasion  
passed  
probably

67%

allotment  
announcement  
authority  
bonus  
definite  
efficient  
essential  
exhausted  
librarian  
nickel  
personally  
planning  
professional  
regretting  
remittance  
sufficient

66%

absolutely  
consultation  
ere  
good-bye  
quantities  
receipt  
unnecessary

65%

barely  
communication  
completely  
executive

extremely	59%	53%	43%
financial	enthusiastic	pneumonia	guarantee
inquiries	lieutenant	referred	rheumatism
literature	unusually	52%	42%
representative	58%	satisfactorily	appendicitis
64%	all right	51%	Hallowe'en
calendar	alumni	bulletin	41%
leisure	anticipate	disappointment	conveniently
opportunity	assessment	grateful	enthusiasm
solicit	candidacy	referring	guaranteed
63%	continuous	50%	occasionally
annually	fundamental	apparatus	39%
practically	geometry	co-operating	accommodate
semester	girlie	inconvenience	peculiarities
superintendent	physician	judgment	38%
	possess	rec'd	schedule
	thorough	49%	
STEP 12—58%	57%	efficiency	STEP 15—34%
62%	thoroughly	inst.	37%
client	56%	remembrance	definitely
convenient	accompanying	48%	fraternally
council	acquaintance	grippe	35%
immense	auntie	prior	anniversary
permanent	originally	47%	34%
principle	recommendation	affectionately	zephyr
61%	55%	46%	33%
accredited	anticipating	politician	chautauqua
characteristic	circuit	tuberculosis	X-ray
courteous	disappoint	STEP 14—42%	31%
losing	equipped	45%	canvass
scientific	immediately	affidavit	
	STEP 13—50%	44%	STEP 16—27%
60%	54%	ingredients	28%
analysis	confirmation	privilege	phosphorus
correspondence	materially		
mortgage	recommend		
Sabbath	thesis		



## **APPENDIX**



**EXHIBIT A**

Set I, list 1 illustrates the form in which words were sent to the various schools.

**Iowa Spelling List—1-1**

1 and	26 recently	51 fraternally	76 attractive
2 me	27 pupil	52 broke	77 management
3 some	28 correct	53 cake	78 toy
4 think	29 walk	54 blood	79 singing
5 say	30 Dr.	55 renewal	80 forenoon
6 each	31 happen	56 confident	81 durable
7 way	32 top	57 colored	82 per cent
8 great	33 window	58 roll	83 kitten
9 put	34 shipping	59 clock	84 plow
10 picture	35 wife	60 forced	85 faster
11 market	36 standard	61 outfit	86 breaking
12 folk	37 printed	62 thorough	87 brand
13 real	38 fifty	63 waste	88 soap
14 sorry	39 cream	64 grown	89 calendar
15 leave	40 recommend	65 stick	90 anniversary
16 aunt	41 prior	66 deep	91 extreme
17 credit	42 crowd	67 organized	92 possess
18 supply	43 forwarded	68 exceptional	93 kinder
19 street	44 cool	69 weigh	94 slept
20 profit	45 rush	70 applicant	95 dice
21 begin	46 represented	71 porch	96 federal
22 net	47 publication	72 staying	97 insert
23 May	48 blow	73 instructed	98 likewise
24 brought	49 fixed	74 slightly	99 identify
25 Oct.	50 newspaper	75 tie	100 daddy

**EXHIBIT B**

Instructions sent with spelling material to all cooperating teachers.

**INSTRUCTIONS TO TEACHERS**

This work is a part of a state wide effort to grade a list of most commonly used words. The success of the work will depend upon the accuracy with which you and all other teachers follow these directions.

Please have your pupils spell one list each day; 100 words if you are teaching grades V to VIII and 50 words if you are teaching grades II, III or IV. Pronounce each word distinctly and make sure that each child understands the word. Give a short illustrative sentence in all cases where different words have the same or similar pronunciation. The words are to be given without previous study or drill of any kind. Give plenty of time but no assistance.

Have the work done with pencil, on paper of uniform size, writing two columns on a page but do not write on both sides of the paper. The child should write his name, sex, age, and grade and the name of his school and city at the top of each sheet. Pronounce the words in order numbered and have the pupils number the words as they write them. This is very important.

Impress upon the children that in case of an error, they are to draw a line through the word and write it correctly above or beside the misspelled word. Words in which one letter has been written over another will be counted wrong, as it is almost impossible to know which was the child's final decision on the spelling.

It is recognized that in the lower grades many of these words are quite unfamiliar to the children and that a large proportion of the pupils will not be able to spell most of the words in the list. The only way, however, to find out what words the children can spell and what words they cannot spell is to give them the opportunity to attempt to spell all the words. Keep them just as happy in the effort as possible by telling them that other boys and girls of the same grade are trying to spell the same words in other schools in Iowa. If you are teaching in grade II or III, it will probably be better to pronounce 25 words in the forenoon and 25 in the afternoon than to give all 50 at once.

If your pupils are in grades VI, VII, or VIII, will you please assist in the scoring by having a few of the stronger pupils detailed each day to check the papers of all members of the class. Caution them that they are not to mark the word in any way but only make a cross through the number of the word which is misspelled. Four children can correct the papers for a room in twenty to thirty minutes and you will doubtless have no difficulty in finding some of the pupils who will very gladly do this.

The papers are to be collected each day and tied together. At the end of the ten days, the ten bunches of papers which represent the ten days' spelling of the pupils in your room, are to be sent tied in a single package to your superintendent. He will then forward these papers with all others from your city to the Extension Division. The Extension Division will score the papers from the lower grades and tabulate the spellings from all contributing schools and return the results to your Superintendent.

To the extent that these instructions are carefully followed and your co-operation secured will the results be of value to all the schools of the state. Please give the work your best effort but do not attempt to improve the spelling of the children of your room on these words by assisting them in their spelling in any way.

